

10531884a

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 18:06:44 ON 06 APR 2007

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 18:06:59 ON 06 APR 2007

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STRUCTURE FILE UPDATES: 5 APR 2007 HIGHEST RN 929247-80-3

DICTIONARY FILE UPDATES: 5 APR 2007 HIGHEST RN 929247-80-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10531884new1.str

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chain nodes :
6 7 8 9 10 11 12 13 14 15 18 19
ring nodes :
1 2 3 4 5
chain bonds :
1-6 2-9 5-19 6-7 6-8 9-10 9-11 11-18 12-13 12-14 12-15
ring bonds :
1-2 1-5 2-3 3-4 4-5
exact/norm bonds :
1-2 1-5 1-6 6-7 9-10 9-11 11-18
exact bonds :
2-3 2-9 3-4 4-5 5-19 6-8 12-13 12-14 12-15
isolated ring systems :
containing 1 :

G1:H, [*1]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:Atom 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 18:CLASS 19:Atom

L1 STRUCTURE UPLOADED

=>

Uploading C:\Program Files\Stnexp\Queries\10531884new2.str

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chain nodes :
6 7 8 9 10 11 12 13 14 15 18 20
ring nodes :
1 2 3 4 5
chain bonds :
1-6 2-9 5-20 6-7 6-8 9-10 9-11 11-18 12-13 12-14 12-15
ring bonds :
1-2 1-5 2-3 3-4 4-5
exact/norm bonds :
1-2 1-5 1-6 5-20 6-7 9-10 9-11 11-18
exact bonds :
2-3 2-9 3-4 4-5 6-8 12-13 12-14 12-15
isolated ring systems :
containing 1 :

G1:H, [*1]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:Atom 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 18:CLASS 20:CLASS

L2 STRUCTURE UPLOADED

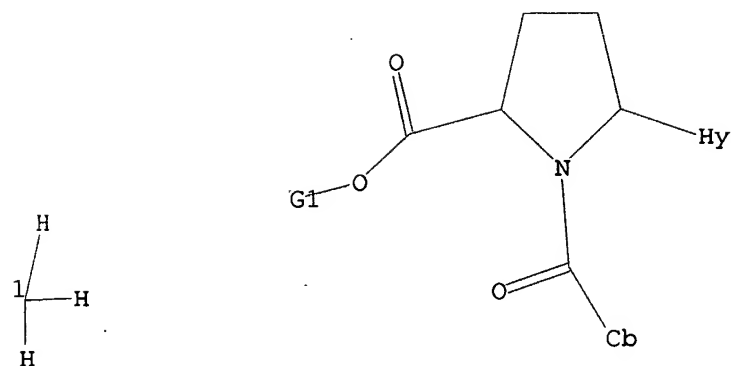
=> d

L2 HAS NO ANSWERS

L2 STR

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G1 H, [01]

Structure attributes must be viewed using STN Express query preparation.

=> s l2 full

FULL SEARCH INITIATED 18:08:24 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 522169 TO ITERATE

98.7% PROCESSED 515485 ITERATIONS

348 ANSWERS

100.0% PROCESSED 522169 ITERATIONS

348 ANSWERS

SEARCH TIME: 00.00.24

L3 348 SEA SSS FUL L2

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

173.00

173.21

FILE 'CAPLUS' ENTERED AT 18:08:52 ON 06 APR 2007

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FILE COVERS 1907 - 6 Apr 2007 VOL 146 ISS 16

FILE LAST UPDATED: 5 Apr 2007 (20070405/ED)

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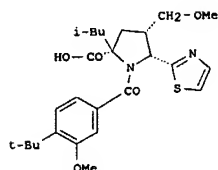
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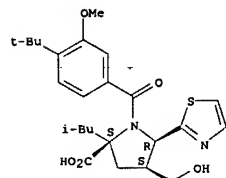
L4 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2007:131530 CAPLUS
 DOCUMENT NUMBER: 146:265801
 TITLE: Optimization of Novel Acyl Pyrrolidine Inhibitors of Hepatitis C Virus RNA-Dependent RNA Polymerase
 Leading to a Development Candidate
 AUTHOR(S): Slater, Martin J.; Amphlett, Elizabeth M.; Andrews, David M.; Bravi, Gianpaolo; Burton, George; Cheasty, Anne G.; Corfield, John A.; Ellis, Malcolm R.; Fenwick, Rebecca H.; Fernandes, Stephanie; Guidetti, Rossella; Haigh, David; Hartley, C. David; Howes, Peter D.; Jackson, Deborah L.; Jarvest, Richard L.; Lovegrove, Victoria L. H.; Medhurst, Katrina J.; Parry, Nigel R.; Price, Helen; Shah, Pritom; Singh, Onkar M. P.; Stocker, Richard; Thommes, Pia; Wilkinson, Claire; Wonacott, Alan
 CORPORATE SOURCE: Infectious Diseases CEDD and Medicinal Discovery Research, GSK Medicines Research Centre, GlaxoSmithKline, Stevenage, SG1 2NY, UK
 SOURCE: Journal of Medicinal Chemistry (2007), 50(5), 897-900
 CODEN: JMCMAH; ISSN: 0022-2623
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
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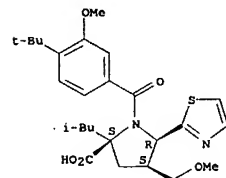
AB Optimization of a pyrrolidine-based template using structure-based design and physicochem. considerations has provided a development candidate 20b (I) with submicromolar potency in the HCV replicon and good pharmacokinetic properties.
 IT 687637-09-8P 687637-16-7P 687637-17-8P
 687637-24-7P 687637-25-8P 687637-40-7P
 725266-20-6P 850552-08-8P 927436-16-6P
 927436-17-7P 927436-18-8P 927436-19-9P
 927436-20-2P

L4 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



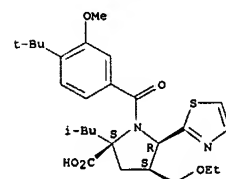
RN 687637-24-7 CAPLUS
 CN L-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(methoxymethyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

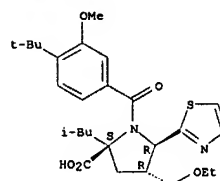


RN 687637-25-8 CAPLUS
 CN L-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(ethoxymethyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5R)- (9CI) (CA INDEX NAME)

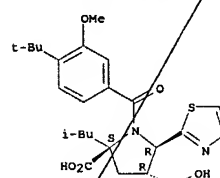
Absolute stereochemistry.



L4 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (pyrrolidine-based hepatitis C virus RNA polymerase inhibitors)
 RN 687637-09-8 CAPLUS
 CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(ethoxymethyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)
 Relative stereochemistry.

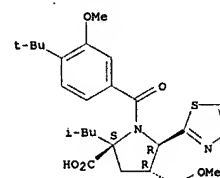


RN 687637-16-7 CAPLUS
 CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(hydroxymethyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)
 Relative stereochemistry.

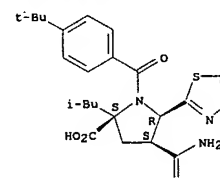


RN 687637-17-8 CAPLUS
 CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(hydroxymethyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)
 Relative stereochemistry.

L4 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 RN 687637-40-7 CAPLUS
 CN L-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(methoxymethyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5R)- (9CI) (CA INDEX NAME)
 Absolute stereochemistry.



RN 725266-20-6 CAPLUS
 CN L-Proline, 4-(aminocarbonyl)-1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5R)- (9CI) (CA INDEX NAME)
 Absolute stereochemistry.

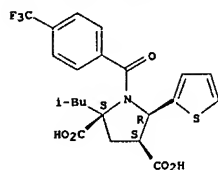


RN 850552-08-8 CAPLUS
 CN 2,4-Pyrrolidinedicarboxylic acid, 2-(2-methylpropyl)-5-(2-thienyl)-1-[4-(trifluoromethyl)benzoyl]-, (2R,4R,5S)-rel- (9CI) (CA INDEX NAME)
 Relative stereochemistry.

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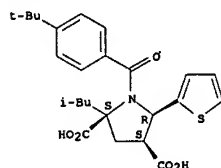
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L4 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



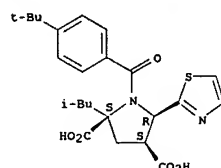
RN 927436-16-6 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-5-(2-thienyl)-, (2R,4R,5R)-rel- (CA INDEX NAME)

Relative stereochemistry.

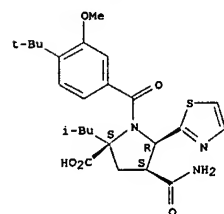


RN 927436-17-7 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-, (2R,4R,5R)-rel- (CA INDEX NAME)

Relative stereochemistry.



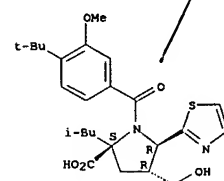
L4 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



IT 927436-24-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(pyrrolidine-based hepatitis C virus RNA polymerase inhibitors)

RN 927436-24-6 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(hydroxymethyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5R)- (CA INDEX NAME)

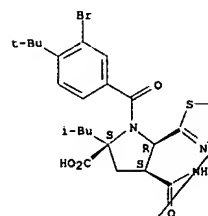
Absolute stereochemistry.



REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

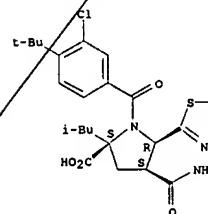
L4 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
RN 927436-18-8 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

Absolute stereochemistry.



RN 927436-19-9 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

Absolute stereochemistry.



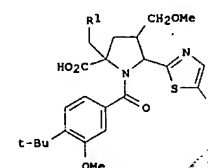
RN 927436-20-2 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

Absolute stereochemistry.

L4 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2006:410228 CAPLUS
DOCUMENT NUMBER: 144:433105
TITLE: Preparation of 4-(methoxycarbonyl)pyrrolidine-2-carboxylic acid derivatives as hepatitis C virus inhibitors
INVENTOR(S): Guidetti, Rossella; Maigh, David; Hartley, Charles David; Howes, Peter David; Nerozzi, Fabrizio; Smith, Stephen Allan
PATENT ASSIGNEE(S): Glaxo Group Ltd., UK
SOURCE: PCT Int. Appl., 58 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006045613	A1	20060504	WO 2005-EP11532	20051024
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPLN. INFO.:			GB 2004-23673	A 20041025
OTHER SOURCE(S):			MARPAT 144:433105	
GI				



AB The invention relates to pyrrolidinedicarboxylic acid derivs. I (R is H or Me; R1 is 1,3-thiazol-2-yl, 1,3-thiazol-4-yl, 1,2-thiazol-3-yl or 1H-pyrazol-1-yl) and their salts, solvates or esters (but not the tert-butyl ester) for use in the treatment of hepatitis C virus (HCV). Thus, compound

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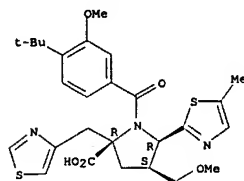
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L4 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 1 (R = Me, R1 = 1,3-thiazol-2-yl; rel-(2R,4S,5R) stereochem.) was prepd. by sequential reactions of tert-Bu N-(diphenylmethylene)glycinate, 4-(chloromethyl)-1,3-thiazole hydrochloride, 5-methyl-1,3-thiazole-2-carboxaldehyde, Me acrylate, and 3-methoxy-4-tert-butylbenzoyl chloride. The product showed IC50 values <0.75 μ M and <0.20 μ M against genotype 1a and 1b HCV polymerase, resp.

IT 885264-65-3P 885264-67-5P 885264-69-7P
 885264-71-1P 885264-77-7P
 RL: CPS (Chemical process); PAC (Pharmacological activity); PEP (Physical, engineering or chemical process); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
 (preparation of (methoxycarbonyl)pyrrolidinecarboxylic acid derivs. as hepatitis C virus inhibitors)

RN 885264-65-3 CAPLUS
 CN D-Proline,
 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(methoxymethyl)-5-(5-methyl-2-thiazolyl)-2-(4-thiazolylmethyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

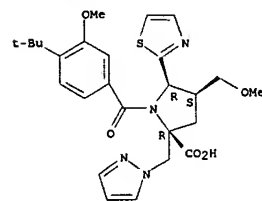
Relative stereochemistry.



RN 885264-67-5 CAPLUS
 CN D-Proline,
 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(methoxymethyl)-5-(5-methyl-2-thiazolyl)-2-(4-thiazolylmethyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

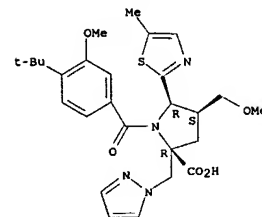
Relative stereochemistry.

L4 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 885264-77-7 CAPLUS
 CN D-Proline,
 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(methoxymethyl)-5-(5-methyl-2-thiazolyl)-2-(1H-pyrazol-1-ylmethyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

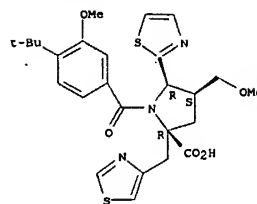


IT 885264-73-3P 885264-75-5P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of (methoxycarbonyl)pyrrolidinecarboxylic acid derivs. as hepatitis C virus inhibitors)

RN 885264-73-3 CAPLUS
 CN D-Proline,
 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(methoxymethyl)-5-(5-methyl-2-thiazolyl)-2-(2-thiazolylmethyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

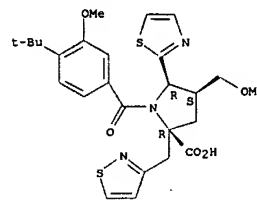
Relative stereochemistry.

L4 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 885264-69-7 CAPLUS
 CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(3-isothiazolylmethyl)-4-(methoxymethyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

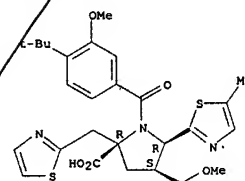
Relative stereochemistry.



RN 885264-71-1 CAPLUS
 CN D-Proline,
 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(1H-pyrazol-1-ylmethyl)-4-(methoxymethyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

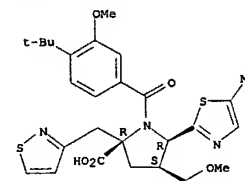
Relative stereochemistry.

L4 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 885264-75-5 CAPLUS
 CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(3-isothiazolylmethyl)-4-(methoxymethyl)-5-(5-methyl-2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT 687637-20-3 687637-24-7 687637-33-8
 687637-41-8
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (preparation of (methoxycarbonyl)pyrrolidinecarboxylic acid derivs. as hepatitis C virus inhibitors)

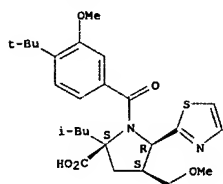
RN 687637-20-3 CAPLUS
 CN D-Proline,
 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-4-(methoxymethyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

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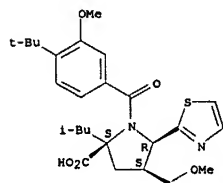
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L4 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 687637-24-7 CAPLUS
CN L-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(methoxymethyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

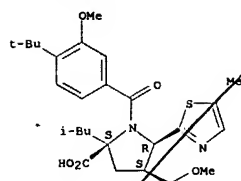
Absolute stereochemistry.



RN 687637-33-8 CAPLUS
CN D-Proline,
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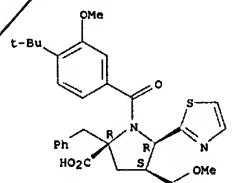
Relative stereochemistry.

L4 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 687637-41-8 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(methoxymethyl)-2-(phenylmethyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:
DOCUMENT NUMBER:
TITLE:

INVENTOR(S):

PATENT ASSIGNEE(S):
SOURCE:

DOCUMENT TYPE:

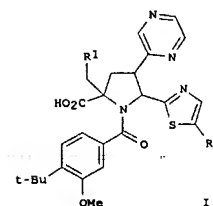
LANGUAGE:

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006/045615	A1	20060504	WO 2005-EP11542	20051024
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, GU, HK, HN, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPL. INFO.:		GB 2004-23672		A 20041025

OTHER SOURCE(S):
GI



AB The invention relates to pyrrolidinecarboxylic acid derivs. I (R is H or Me; R1 is 1,3-thiazol-2-yl, 1,3-thiazol-4-yl, 1,2-thiazol-3-yl or

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L4 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

1H-pyrazol-1-yl) and their salts, solvates or esters (but not the tert-Bu ester) for use in the treatment of hepatitis C virus (HCV). Thus, compd. I [R = H, R1 = 1,3-thiazol-2-yl; rel- (2R,4S,5R) stereochem.] was prepd.

by

sequential reactions of tert-Bu N-(diphenylmethylene)glycinate, 4-(chloromethyl)-1,3-thiazole hydrochloride, 1,3-thiazole-2-carboxaldehyde, vinylpyrazine, and 3-methoxy-4-tert-butylbenzoyl chloride.

The product showed IC50 values <0.15 μM and <0.10 μM against genotype 1a and 1b HCV polymerase, resp.

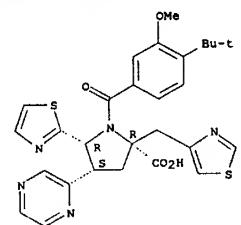
IT 885216-54-6P

RL: CPS (Chemical process); PAC (Pharmacological activity); PEP (Physical, engineering or chemical process); PUR (Purification or recovery); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

(preparation of pyrazinylpyrrolidinecarboxylic acid derivs. as hepatitis C virus inhibitors)

RN 885216-54-6 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-pyrazinyl-5-(2-thiazolyl)-2-(4-thiazolylmethyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT 885216-55-7P 885216-56-8P 885216-57-9P
885216-58-0P 885216-59-1P 885216-60-4P
885216-61-5P

RL: CPS (Chemical process); PAC (Pharmacological activity); PEP (Physical, engineering or chemical process); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

(preparation of pyrazinylpyrrolidinecarboxylic acid derivs. as hepatitis C virus inhibitors)

RN 885216-55-7 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-pyrazinyl-5-(2-thiazolyl)-2-(2-thiazolylmethyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

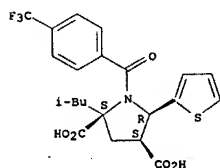
Relative stereochemistry.

10531884a

L4 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2005:777848 CAPLUS
 DOCUMENT NUMBER: 145:262418
 TITLE: A Critical Assessment of Docking Programs and Scoring Functions
 AUTHOR(S): Warren, Gregory L.; Andrews, C. Webster; Capelli, Anna-Maria; Clarke, Brian; LaLonde, Judith; Lambert, Millard H.; Lindvall, Mika; Nevins, Neysa; Semus, Simon F.; Senger, Stefan; Tedesco, Giovanna; Wall, Ian
 D.: Woolven, James M.; Peishoff, Catherine E.; Head, Martha S.
 CORPORATE SOURCE: GlaxoSmithKline Pharmaceuticals, Collegeville, PA, 19426, USA
 SOURCE: Journal of Medicinal Chemistry (2006), 49(20), 5912-5931
 CODEN: JMCMAR; ISSN: 0022-2623
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Docking is a computational technique that samples conformations of small mols. in protein binding sites; scoring functions are used to assess which of these conformations best complements the protein binding site. An evaluation of 10 docking programs and 37 scoring functions was conducted against eight proteins of seven protein types for three tasks: binding mode prediction, virtual screening for lead identification, and rank-ordering by affinity for lead optimization. All of the docking programs were able to generate ligand conformations similar to crystallog. determined protein/ligand complex structures for at least one of the targets. However, scoring functions were less successful at distinguishing the crystallog. conformation from the set of docked poses. Docking programs identified active compds. from a pharmaceutically relevant pool of decoy compds.; however, no single program performed well for all of the targets. For prediction of compound affinity, none of the docking programs or scoring functions made a useful prediction of ligand binding affinity.
 IT 373593-41-0
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (critical assessment of docking programs and scoring functions)
 RN 373593-41-0 CAPLUS
 CN 2,4-Pyrrolidinedicarboxylic acid, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)- (9CI) (CA INDEX NAME)

L4 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2005:199465 CAPLUS
 DOCUMENT NUMBER: 142:403442
 TITLE: Identification of small molecule inhibitors of the hepatitis C virus RNA-dependent RNA polymerase from a pyrrolidine combinatorial mixture
 AUTHOR(S): Burton, George; Ku, Thomas W.; Carr, Thomas J.; Kiesow, Terry; Sarisky, Robert T.; Lin-Goerke, Juili; Baker, Audrey; Earnshaw, David L.; Hofmann, Glenn A.; Keenan, Richard M.; Dhanak, Dashyant
 CORPORATE SOURCE: GlaxoSmithKline Pharmaceuticals, Collegeville, PA, 19426-0989, USA
 SOURCE: Bioorganic & Medicinal Chemistry Letters (2005), 15(6), 1553-1556
 CODEN: BMCLEB; ISSN: 0960-894X
 PUBLISHER: Elsevier B.V.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 142:403442
 AB HTS of the compound collection for inhibition of the HCV RNA dependent RNA polymerase identified two 168 member N-acyl pyrrolidine combinatorial mixture hits. Deconvolution and expansion of these mixtr. by solid phase synthesis to establish initial SAR and identify a potent inhibitor is reported.
 IT 850552-08-8P 850552-12-4P 850552-13-5P
 850552-14-6P 850552-16-8P 850552-17-9P
 850552-18-0P 850552-19-1P 850552-20-4P
 850552-21-5P 850552-23-7P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (pyrrolidine inhibitors of the hepatitis C virus RNA-dependent RNA polymerase)
 RN 850552-08-8 CAPLUS
 CN 2,4-Pyrrolidinedicarboxylic acid, 2-(2-methylpropyl)-5-(2-thienyl)-1-[4-(trifluoromethyl)benzoyl]-, (2R,4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

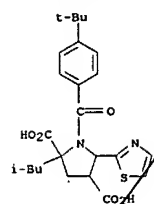


RN 850552-12-4 CAPLUS
 CN 2,4-Pyrrolidinedicarboxylic acid, 2-(2-methylpropyl)-5-(2-thiazolyl)-1-[4-(trifluoromethyl)benzoyl]-, (2R,4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

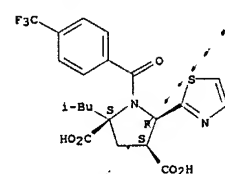
Karen Cheng

L4 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



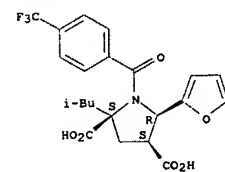
REFERENCE COUNT: 57 THERE ARE 57 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L4 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



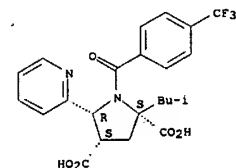
RN 850552-13-5 CAPLUS
 CN 2,4-Pyrrolidinedicarboxylic acid, 5-(2-furanyl)-2-(2-methylpropyl)-1-[4-(trifluoromethyl)benzoyl]-, (2R,4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 850552-14-6 CAPLUS
 CN 2,4-Pyrrolidinedicarboxylic acid, 2-(2-methylpropyl)-5-(2-pyridinyl)-1-[4-(trifluoromethyl)benzoyl]-, (2R,4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

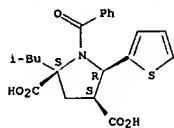


RN 850552-16-8 CAPLUS
 CN 2,4-Pyrrolidinedicarboxylic acid, 1-benzoyl-2-(2-methylpropyl)-5-(2-thienyl)-, (2R,4R,5S)-rel- (9CI) (CA INDEX NAME)

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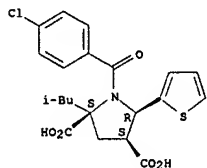
L4 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

Relative stereochemistry.



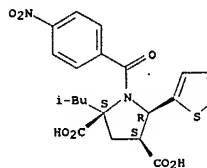
RN 850552-17-9 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 1-(4-chlorobenzoyl)-2-(2-methylpropyl)-5-(2-thienyl)-, (2R,4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

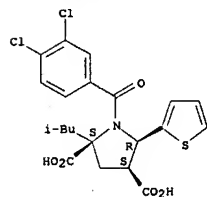


RN 850552-18-0 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 2-(2-methylpropyl)-1-(4-nitrobenzoyl)-5-(2-thienyl)-, (2R,4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

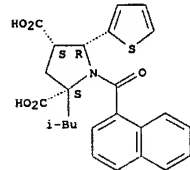


L4 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850552-23-7 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 2-(2-methylpropyl)-1-(1-naphthalenylcarbonyl)-5-(2-thienyl)-, (2R,4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

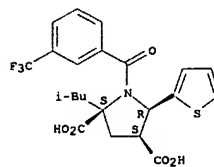


REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

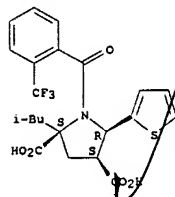
RN 850552-19-1 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 2-(2-methylpropyl)-5-(2-thienyl)-1-(3-(trifluoromethyl)benzoyl)-, (2R,4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 850552-20-4 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 2-(2-methylpropyl)-5-(2-thienyl)-1-(2-(trifluoromethyl)benzoyl)-, (2R,4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



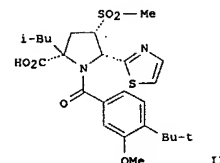
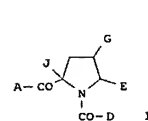
RN 850552-21-5 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 1-(3,4-dichlorobenzoyl)-2-(2-methylpropyl)-5-(2-thienyl)-, (2R,4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L4 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:740297 CAPLUS
DOCUMENT NUMBER: 141:243337
TITLE: Preparation of 1-(hetero)aroyl-pyrrolidine-2-carboxylic acid derivatives useful as anti-viral agents
INVENTOR(S): Bravi, Gianpaolo; Burton, George; Howes, Peter David; Kiesow, Terence John; Ku, Thomas W.; Shah, Pritom; Slater, Martin John
PATENT ASSIGNEE(S): Glaxo Group Limited, UK
SOURCE: PCT Int. Appl., 29 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004076415	Al	20040910	WO 2004-EP2021	20040225
W: AE, AE, AG, AL, AL, AM, AM, AM, AT, AT, AU, AU, AZ, AZ, BA, BA, BG, BG, BR, BR, BW, BY, BY, BZ, BZ, CA, CH, CN, CN, CO, CO, CR, CR, CU, CU, CZ, CZ, DE, DE, DK, DK, DM, DM, DZ, EC, EC, EE, EE, EG, ES, ES, FI, FI, GB, GB, GE, GE, GH, GH, HR, HR, HU, HU, ID, ID, IL, IL, IS, JP, JP, KE, KE, KG, KG, KP, KP, KR, KR, KZ, KZ, KZ, LC, LC, LK, LR, LS, LS, LT, LU, LV, MA, MD, MD, MG, MG, MN, MN, MW, MX, MX, MZ, MZ, NA, NI RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPL. INFO.:			GB 2003-4494	A 20030227
OTHER SOURCE(S):			MARPAT 141:243337	
GI				



AB The title compound I [A = OH; D = aryl or heteroaryl; E = H, alkyl, aryl, heteroaryl or heterocyclyl; G = SO_nR_a; n = 1 or 2; R_a = optionally substituted alkyl or aryl; J = alkyl, heterocyclylalkyl, arylalkyl or heteroarylalkyl] were prepared as anti-viral agents in HCV treatment.
For

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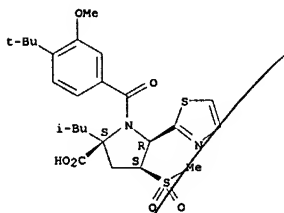
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L4 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 example, compd. II was prepd. from 2-amino-4-methyl-pentanoic acid
 tert-Bu
 ester hydrochloride and 1,3-thiazole-2-carboxaldehyde in a multiple step
 syntheses. The prepd. compds. showed an IC50 < 50 µM in the in vitro
 HCV RNA-dependent polymerase assay.
 IT 750637-68-4P 750637-69-5P 750637-70-8P
 750637-71-9P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)
 (preparation of 1-(hetero)aryl-pyrrolidine-2-carboxylic acid deriva.

useful
 as anti-viral agents)

RN 750637-68-4 CAPLUS
 CN D-Proline,
 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-4-
 (methylsulfonyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

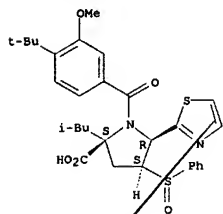
Relative stereochemistry.



RN 750637-69-5 CAPLUS
 CN D-Proline,
 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(ethylsulfonyl)-2-
 (2-methylpropyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

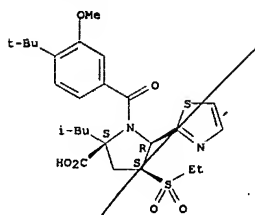
L4 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE

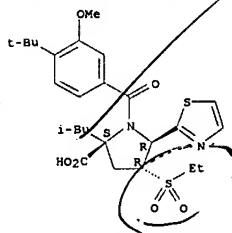
FORMAT

L4 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 750637-70-8 CAPLUS
 CN D-Proline,
 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(ethylsulfonyl)-2-
 (2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



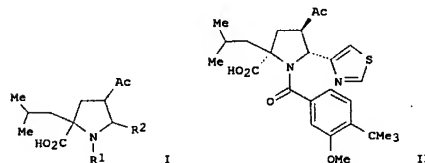
RN 750637-71-9 CAPLUS
 CN D-Proline,
 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-4-
 (phenylsulfonyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L4 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2004:589548 CAPLUS
 DOCUMENT NUMBER: 141:140313
 TITLE: Preparation of 5-thiazole substituted
 2-pyrrolidinecarboxylic acids as antiviral agents for
 hepatitis C virus
 INVENTOR(S): Haigh, David; Jackson, Deborah Lynette; Shah, Pritom;
 Slater, Martin John
 PATENT ASSIGNEE(S): Glaxo Group Limited, UK
 SOURCE: PCT Int. Appl., 35 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004060889	A1	20040722	WO 2004-GB27	20040107
W: AE, AE, AG, AL, AL, AM, AM, AT, AT, AU, AU, AZ, AZ, BA, BB, BG, BG, BR, BR, BW, BY, BY, BZ, BZ, CA, CN, CN, CO, CO, CR, CR, CU, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EC, EE, EE, EG, ES, ES, FI, FI, GB, GB, GE, GE, GH, GH, GM, GM, HR, HR, HU, HU, ID, IL, IN, IS, JP, JP, KE, KE, KG, KG, KP, KP, KR, KR, KZ, KZ, KZ, LC, LC, LR, LS, LS, LT, LU, LV, MA, MD, MD, MG, MK, MN, MW, MX, MX, MZ				
PRIORITY APPLN. INFO.:			GB 2003-298	A 20030107
			GB 2003-8105	A 20030408

OTHER SOURCE(S): MARPAT 141:140313
 GI



AB Pyrrolidinecarboxylic acids I [R1 = 4-Me3CC6H4CO, 3-substituted by halo
 or alkoxy; R2 = 2-thiazolyl, 5-methylthiazol-2-yl, 4-thiazolyl] and their
 esters were prepared for use in HCV treatment. Thus, the pyrrolidine II
 was prepared by treating Me2CHCH2CH(NH2)CO2CMe3 with
 thiazole-3-carboxaldehyde,
 cyclizing with MeOCCCH:CH2, N-acylation with 4,3-Me3C(MeO)C6H3COCl, and
 ester hydrolysis. II has IC50 for inhibition of HCV of 0.87 µM.

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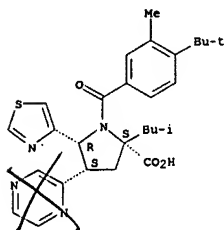
10531884a

L4 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 IT 521958-02-1P
 RL: BSU (Biological study, unclassified); SPN (Synthetic preparation);
 BIOL (Biological study); PREP (Preparation)
 (preparation of 5-thiazole substituted 2-pyrrolidinecarboxylic acids)

as antiviral agents for hepatitis C virus)

RN 521958-02-1 CAPLUS
 CN D-Proline, 4-(aminocarbonyl)-1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-pyrazinyl-5-(4-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



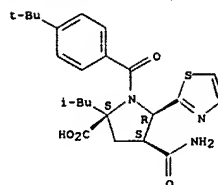
IT 725266-20-6P 725266-21-7P 725266-22-8P
 725266-23-9P
 RL: PAC (Pharmacological activity); PUR (Purification or recovery); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)
 (preparation of 5-thiazole substituted 2-pyrrolidinecarboxylic acids)

as antiviral agents for hepatitis C virus)

RN 725266-20-6 CAPLUS
 CN L-Proline, 4-(aminocarbonyl)-1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5R)- (9CI) (CA INDEX NAME)

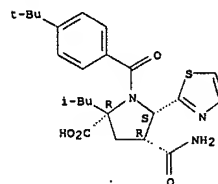
Absolute stereochemistry.

L4 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 725266-21-7 CAPLUS
 CN D-Proline, 4-(aminocarbonyl)-1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5S)- (9CI) (CA INDEX NAME)

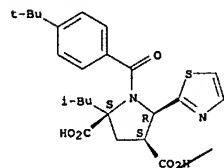
Absolute stereochemistry.



RN 725266-22-8 CAPLUS
 CN 2,4-Pyrrolidinedicarboxylic acid, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-, (2S,4S,5R)- (9CI) (CA INDEX NAME)

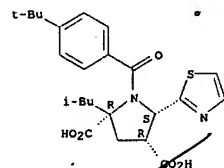
Absolute stereochemistry.

L4 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 725266-23-9 CAPLUS
 CN 2,4-Pyrrolidinedicarboxylic acid, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-, (2R,4R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



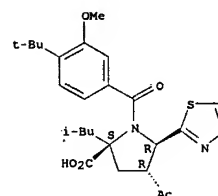
IT 687636-66-4P 725266-16-0P 725266-17-1P
 725266-18-2P 725266-19-3P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)
 (preparation of 5-thiazole substituted 2-pyrrolidinecarboxylic acids)

as antiviral agents for hepatitis C virus)

RN 687636-66-4 CAPLUS
 CN L-Proline, 4-acetyl-1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5R)- (9CI) (CA INDEX NAME)

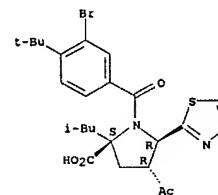
Absolute stereochemistry.

L4 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 725266-16-0 CAPLUS
 CN L-Proline, 4-acetyl-1-[3-bromo-4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

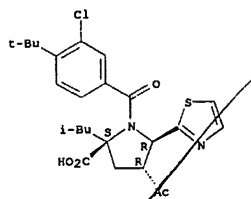


RN 725266-17-1 CAPLUS
 CN L-Proline, 4-acetyl-1-[3-chloro-4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

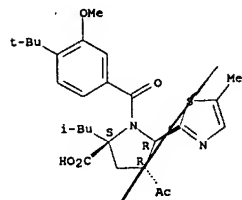
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L4 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 725266-18-2 CAPLUS
CN D-Proline, 4-acetyl-1-[(4-(1,1-dimethylethyl)-3-methoxybenzoyl)-2-(2-methylpropyl)-5-(5-methyl-2-thiazolyl)-], (4S,5S)-rel- (9CI) (CA INDEX NAME)

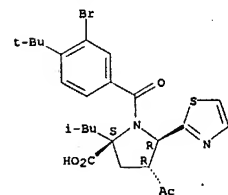
Relative stereochemistry.



RN 725266-19-3 CAPLUS
CN D-Proline, 4-acetyl-1-[(4-(1,1-dimethylethyl)-3-methoxybenzoyl)-2-(2-methylpropyl)-5-(4-thiazolyl)-], (4S,5S)-rel- (9CI) (CA INDEX NAME)

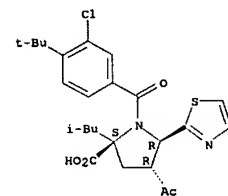
Relative stereochemistry.

L4 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

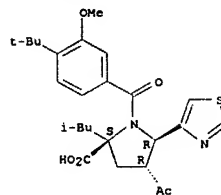


RN 725266-26-2 CAPLUS
CN D-Proline, 4-acetyl-1-[(3-chloro-4-(1,1-dimethylethyl)benzoyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-], (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L4 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

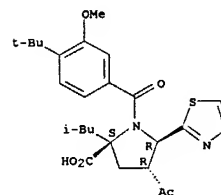


IT 725266-24-0P 725266-25-1P 725266-26-2P
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 5-thiazole substituted 2-pyrrolidinecarboxylic acids

as antiviral agents for hepatitis C virus)

RN 725266-24-0 CAPLUS
CN D-Proline, 4-acetyl-1-[(4-(1,1-dimethylethyl)-3-methoxybenzoyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-], (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 725266-25-1 CAPLUS
CN D-Proline, 4-acetyl-1-[(3-bromo-4-(1,1-dimethylethyl)benzoyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-], (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:370930 CAPLUS
DOCUMENT NUMBER: 140:391274
TITLE: Synthesis of 1-acyl-pyrrolidine derivatives for the treatment of viral infections
INVENTOR(S): Haigh, David; Hartley, Charles David; Howes, Peter David; Jackson, Deborah Lynette; Shah, Pritom; Slater, Martin John
PATENT ASSIGNEE(S): Glaxo Group Limited, UK
SOURCE: PCT Int. Appl., 118 pp.
CODEN: PIXKD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004037818	A1	20040506	WO 2003-EP11813	20031022
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SI, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2503471	A1	20040506	CA 2003-2503471	20031022
AU 2003276172	A1	20040513	AU 2003-276172	20031022
EP 1554274	A1	20050720	EP 2003-809322	20031022
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003015417	A	20050816	BR 2003-15417	20031022
CN 1732165	A	20060208	CN 2003-80107485	20031022
JP 2006050455	T	20060223	JP 2005-501534	20031022
ZA 2005002945	A	20051019	ZA 2005-2945	20050412
NO 2005002472	A	20050523	NO 2005-2472	20050523
US 2006258720	A1	20061116	US 2006-531884	20060411
PRIORITY APPLN. INFO.:			GB 2002-25470	A 20021024
			GB 2002-25470	A 20021218
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			WO 2003-EP11813	W 20031022

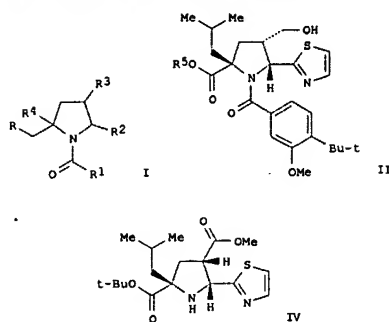
OTHER SOURCE(S): MARPAT 140:391274
GI

current app

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L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



AB The title compds. I (R = OH, R¹ = (hetero)aryl, R² = H, C1-C6 alkyl, aryl, (hetero)aryl, heterocyclyl, R³ = H, C1-C6 alkyl, R⁴ = C1-C6 alkyl, heterocyclalkyl, arylalkyl, heteroarylalkyl) were prepared for use as antiviral agents against HCV. Thus, rel- (2S,4S,5R)-isobutylbenzoylthiazolylpyrrolidinecarboxylic acid II (R⁵ = OH) was prepared by the hydrolysis of II (R⁵ = OMe3) (III). III was prepared by reacting tert-Bu 2-amino-4-methylpentanoate with 1,3-thiazole-2-carboxaldehyde followed by cyclization with Me acrylate to give pyrrolidinedicarboxylic acid ester IV. IV was then acylated with 3-methoxy-4-tert-butylbenzoyl chloride to give the corresponding acyl derivative which was treated with LiBH₄/THF to give the 4-hydroxymethyl derivative III. Title compds. inhibited

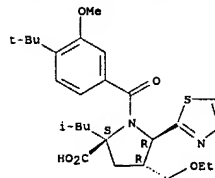
HCV RNA-dependent RNA polymerase with IC₅₀ < 50 μM.

IT 687637-09-8P 687637-10-1P 687637-11-2P
687637-12-3P 687637-16-7P 687637-17-8P
687637-18-9P 687637-19-0P 687637-20-3P
687637-21-4P 687637-22-5P 687637-23-6P
687637-24-7P 687637-25-8P 687637-26-9P
687637-27-0P 687637-28-1P 687637-29-2P
687637-30-5P 687637-32-7P 687637-33-8P
687637-34-9P 687637-35-0P 687637-36-1P
687637-37-2P 687637-38-3P 687637-39-4P
687637-41-8P 687637-42-9P 687637-43-0P
687637-44-1P 687637-45-2P 687637-46-3P
687637-48-5P 687637-49-6P 687637-50-9P
687637-51-0P 687637-52-1P 687637-53-2P
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L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

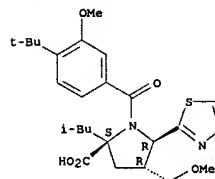
687637-59-8P 687637-60-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(antiviral; synthesis of 1-acyl-pyrrolidine derivs. for treatment of viral infections)
RN 687637-09-8 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(ethoxymethyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 687637-10-1 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(methoxymethyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

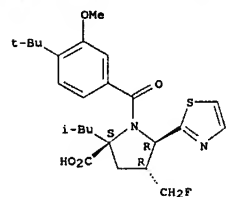
Relative stereochemistry.



RN 687637-11-2 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(fluoromethyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

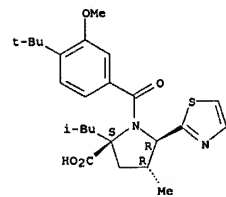
Relative stereochemistry.

L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



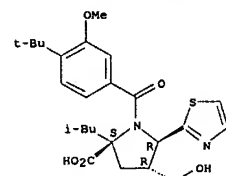
RN 687637-12-3 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-methyl-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 687637-16-7 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(hydroxymethyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

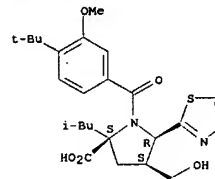
Relative stereochemistry.



L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

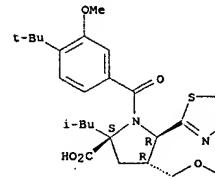
RN 687637-17-8 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(hydroxymethyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 687637-18-9 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-4-[(2-propenyloxy)methyl]-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



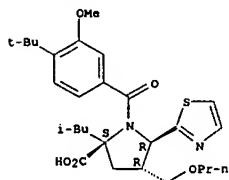
RN 687637-19-0 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-4-(propoxymethyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

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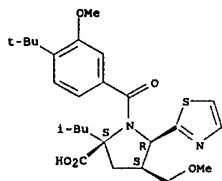
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L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 687637-20-3 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(methoxymethyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

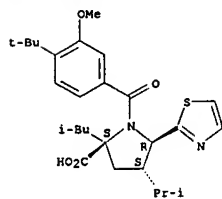
Relative stereochemistry.



RN 687637-21-4 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(ethoxymethyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

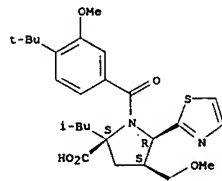
Relative stereochemistry.

L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



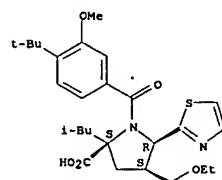
RN 687637-24-7 CAPLUS
CN L-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(methoxymethyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

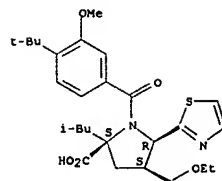


RN 687637-25-8 CAPLUS
CN L-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(ethoxymethyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

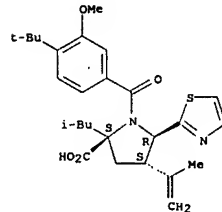


L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 687637-22-5 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(1-methylethenyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 687637-23-6 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(1-methylethenyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

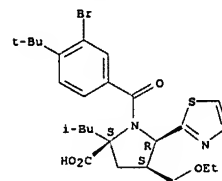
Relative stereochemistry.

L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RN 687637-26-9 CAPLUS

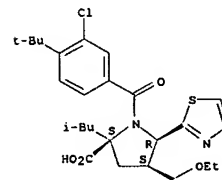
CN L-Proline,
1-[3-bromo-4-(1,1-dimethylethyl)benzoyl]-4-(ethoxymethyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 687637-27-0 CAPLUS
CN L-Proline,
1-[3-chloro-4-(1,1-dimethylethyl)benzoyl]-4-(ethoxymethyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



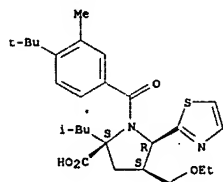
RN 687637-28-1 CAPLUS
CN L-Proline,
1-[4-(1,1-dimethylethyl)-3-methylbenzoyl]-4-(ethoxymethyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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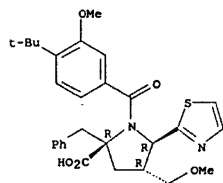
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L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 687637-29-2 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(methoxymethyl)-2-(phenylmethyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

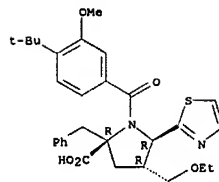
Relative stereochemistry.



RN 687637-30-5 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(ethoxymethyl)-2-(phenylmethyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

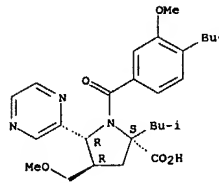
Relative stereochemistry.

L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 687637-32-7 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(methoxymethyl)-2-(2-methylpropyl)-5-pyrazinyl-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

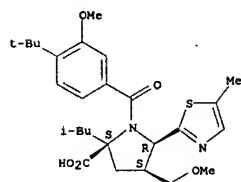
Relative stereochemistry.



RN 687637-33-8 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(methoxymethyl)-2-(2-methylpropyl)-5-(5-methyl-2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

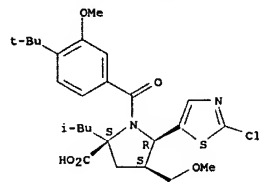
Relative stereochemistry.

L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 687637-34-9 CAPLUS
CN D-Proline,
5-(2-chloro-5-thiazolyl)-1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(methoxymethyl)-2-(2-methylpropyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

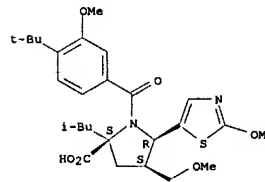
Relative stereochemistry.



RN 687637-35-0 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(methoxymethyl)-5-(2-methoxy-5-thiazolyl)-2-(2-methylpropyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

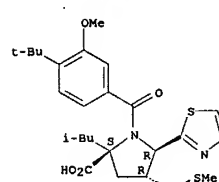
Relative stereochemistry.

L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 687637-36-1 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-4-[(methylthio)methyl]-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



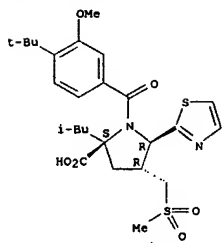
RN 687637-37-2 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-4-[(methylsulfonyl)methyl]-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Karen Cheng

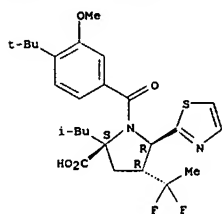
10531884a

L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 687637-38-3 CAPLUS
CN D-Proline, 4-(1,1-difluoroethyl)-1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

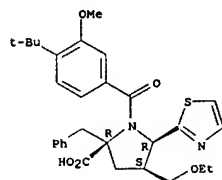
Relative stereochemistry.



RN 687637-39-4 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(1-hydroxy-1-methylethyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

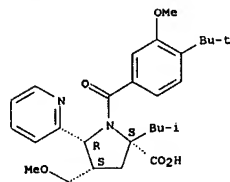
Relative stereochemistry.

L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 687637-43-0 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(methoxymethyl)-2-(2-methylpropyl)-5-(2-pyridinyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

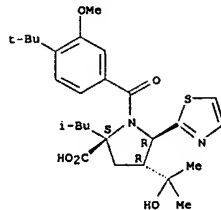
Relative stereochemistry.



RN 687637-44-1 CAPLUS
CN L-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(1-hydroxy-1-methylethyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5R)- (9CI) (CA INDEX NAME)

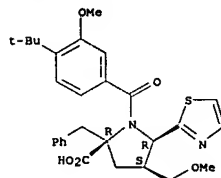
Absolute stereochemistry.

L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 687637-41-8 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(methoxymethyl)-2-(phenylmethyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

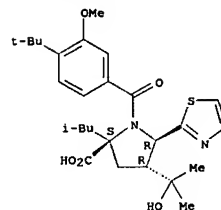
Relative stereochemistry.



RN 687637-42-9 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(ethoxymethyl)-2-(phenylmethyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

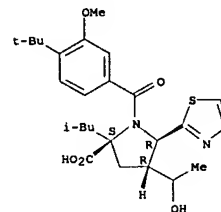
Relative stereochemistry.

L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 687637-45-2 CAPLUS
CN L-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(1-hydroxyethyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

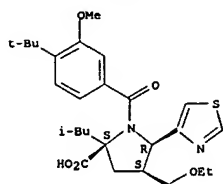


RN 687637-46-3 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(ethoxymethyl)-2-(2-methylpropyl)-5-(4-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

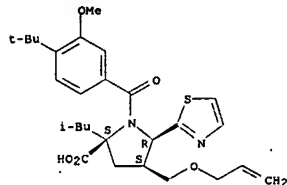
10531884a

L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 687637-48-5 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-4-
[(2-propenyloxy)methyl]-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX
NAME)

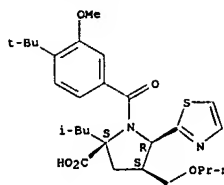
Relative stereochemistry.



RN 687637-49-6 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-4-
[(propoxymethyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

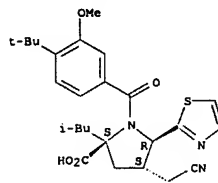
Relative stereochemistry.

L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 687637-50-9 CAPLUS
CN D-Proline,
4-(cyanomethyl)-1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-
methylpropyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

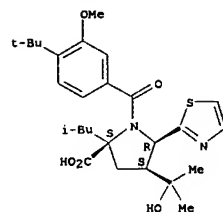
Relative stereochemistry.



RN 687637-51-0 CAPLUS
CN L-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(1-hydroxy-1-
methyl-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5R)- (9CI) (CA
INDEX NAME)

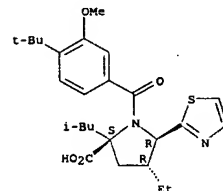
Absolute stereochemistry.

L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 687637-52-1 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-ethyl-2-(2-
methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

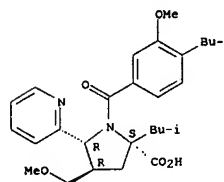
Relative stereochemistry.



RN 687637-53-2 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(methoxymethyl)-2-
[(2-methylpropyl)-5-(2-pyridinyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

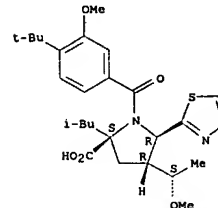
Relative stereochemistry.

L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 687637-54-3 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-[(1R)-1-
methoxyethyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI)
(CA INDEX NAME)

Relative stereochemistry.

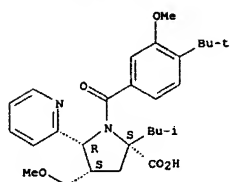


RN 687637-56-5 CAPLUS
CN L-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(methoxymethyl)-2-
[(2-methylpropyl)-5-(2-pyridinyl)-, (4S,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

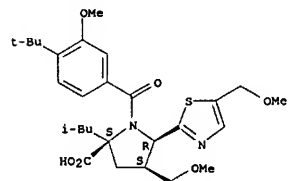
10531884a

L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 687637-58-7 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(methoxymethyl)-2-
[5-(methoxymethyl)-2-thiazolyl]-2-(2-methylpropyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

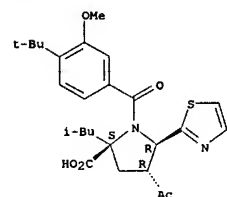
Relative stereochemistry.



RN 687637-59-8 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(methoxymethyl)-2-
[5-(methoxymethyl)-2-thiazolyl]-2-(2-methylpropyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

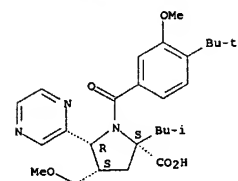
Relative stereochemistry.

L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



IT 687637-31-6P 687637-40-7P 687637-47-4P
687637-65-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(product; synthesis of 1-acyl-pyrrolidine derivs. for treatment of
viral infections)
RN 687637-31-6 CAPLUS
CN L-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(methoxymethyl)-2-
[5-(methoxymethyl)-2-thiazolyl]-2-(2-methylpropyl)-, (4S,5R)- (9CI) (CA INDEX NAME)

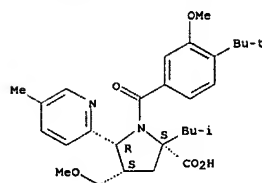
Absolute stereochemistry.



RN 687637-40-7 CAPLUS
CN L-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(methoxymethyl)-2-
[5-(methoxymethyl)-2-thiazolyl]-2-(2-methylpropyl)-, (4R,5R)- (9CI) (CA INDEX NAME)

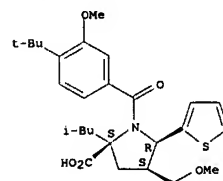
Absolute stereochemistry.

L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 687637-60-1 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(methoxymethyl)-2-
[5-(methoxymethyl)-2-thiazolyl]-2-(2-methylpropyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

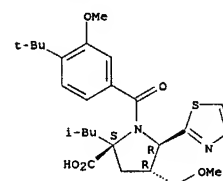
Relative stereochemistry.



IT 687636-66-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(intermediate; synthesis of 1-acyl-pyrrolidine derivs. for treatment
of viral infections)
RN 687636-66-4 CAPLUS
CN L-Proline, 4-acetyl-1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-
methylpropyl)-5-(2-thiazolyl)-, (4R,5R)- (9CI) (CA INDEX NAME)

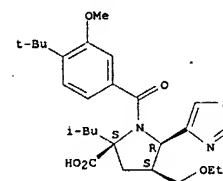
Absolute stereochemistry.

L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



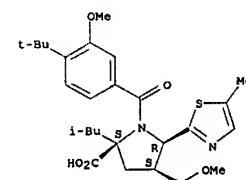
RN 687637-47-4 CAPLUS
CN L-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(ethoxymethyl)-2-
[5-(methoxymethyl)-2-thiazolyl]-2-(2-methylpropyl)-, (4S,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 687637-65-6 CAPLUS
CN L-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(methoxymethyl)-2-
[5-(methoxymethyl)-2-thiazolyl]-2-(2-methylpropyl)-, (4S,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



Karen Cheng

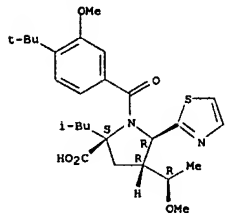
10531884a

L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

IT 687637-55-4P 687637-61-2P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (synthesis of 1-acyl-pyrrolidine derivs. for treatment of viral infections)

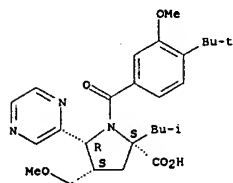
RN 687637-55-4 CAPLUS
 CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-[(1S)-1-methoxyethyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 687637-61-2 CAPLUS
 CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(methoxymethyl)-2-(2-methylpropyl)-5-pyrazinyl-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT 687637-57-6P

L4 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

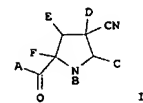
ACCESSION NUMBER: 2004:00645 CAPLUS
 DOCUMENT NUMBER: 140:146125
 TITLE: Preparation of cyanothiazolylpyrrolidinecarboxylates and related compounds as antivirals.
 INVENTOR(S): Burton, George; Goodland, Helen Susanne; Haigh, David;
 Kieso, Terence John; Ku, Thomas W.; Slater, Martin John
 PATENT ASSIGNEE(S): Glaxo Group Limited, UK
 SOURCE: PCT Int. Appl., 27 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004009543	A2	20040129	WO 2003-EP8138	20030718
WO 2004009543	A3	20040318		
WO 2004009543	A8	20040610		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, DE, DK, DM, DS, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2003266243 A1 20040209 AU 2003-266243 A 20030718
 PRIORITY APPLN. INFO.: GB 2002-16985 A 20020722
 WO 2003-EP8138 W 20030718

OTHER SOURCE(S): MARPAT 140:146125
 GI



AB Title compds. [I: A = OH; B = COR1; R1 = alkyl, aryl, heteroaryl, arylalkyl, heteroarylalkyl; C = alkyl, aryl, heteroaryl, heterocyclyl; D = H, alkyl; E = H, alkyl, aryl, heteroaryl; F = H, alkyl, heterocyclylalkyl, arylalkyl, heteroarylalkyl], were prepared thus, 3-methoxy-4-tert-butylbenzoyl chloride, 1-isobutyl-5-(1,3-thiazol-2-

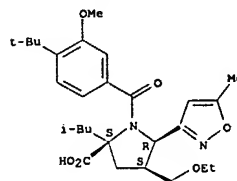
Karen Cheng

L4 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RL: SPN (Synthetic preparation); PREP (Preparation)
 (synthesis of 1-acyl-pyrrolidine derivs. for treatment of viral infections)

RN 687637-57-6 CAPLUS
 CN L-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(ethoxymethyl)-5-(5-methyl-3-isoxazolyl)-2-(2-methylpropyl)-, (4S,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

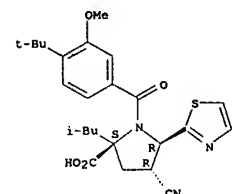
yl)pyrrolidine-2-carboxylic acid tert-Bu ester (prepn. given) and Et3N were stirred overnight in CH2Cl2 to give a product which was stirred 17 h in CF3CO2H to give rel-(2S,4R,5R)-2-isobutyl-1-(3-methoxy-4-tert-butylbenzoyl)-4-cyano-5-(1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid. 1 inhibited HCV RNA-dependent RNA polymerase activity with IC50 <10 μM.

IT 651320-30-8P 651320-31-9P 651320-32-0P
 651320-33-1P 651320-34-2P 651320-35-3P
 651320-36-4P 651320-37-5P 651320-38-6P
 651320-39-7P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (Preparation of cyanothiazolylpyrrolidinecarboxylates and related compds. as antivirals)

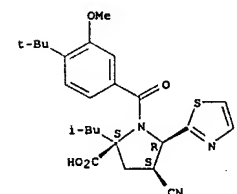
RN 651320-30-8 CAPLUS
 CN D-Proline, 4-cyano-1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 651320-31-9 CAPLUS
 CN D-Proline, 4-cyano-1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

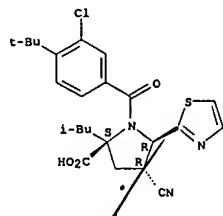


not C-6 alkyl
 subst. w/ CN

10531884a

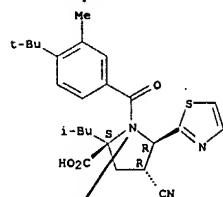
L4 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 RN 651320-32-0 CAPLUS
 CN D-Proline, 1-[3-chloro-4-(1,1-dimethylethyl)benzoyl]-4-cyano-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 651320-33-1 CAPLUS
 CN D-Proline, 4-cyano-1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

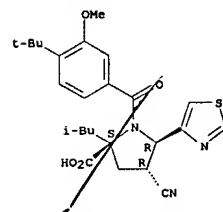
Relative stereochemistry.



RN 651320-34-2 CAPLUS
 CN D-Proline, 4-cyano-1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-5-(2-thienyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

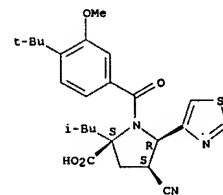
Relative stereochemistry.

L4 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 651320-37-5 CAPLUS
 CN D-Proline, 4-cyano-1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-5-(4-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

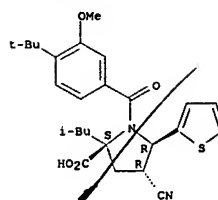
Relative stereochemistry.



RN 651320-38-6 CAPLUS
 CN D-Proline, 4-cyano-1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-methyl-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

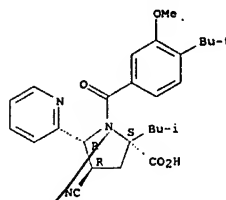
Relative stereochemistry.

L4 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 651320-35-3 CAPLUS
 CN D-Proline, 4-cyano-1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-5-(2-pyridinyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

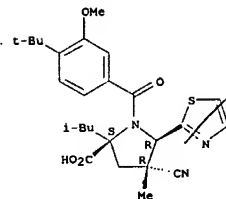
Relative stereochemistry.



RN 651320-36-4 CAPLUS
 CN D-Proline, 4-cyano-1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-5-(4-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

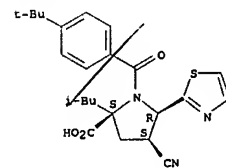
Relative stereochemistry.

L4 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 651320-39-7 CAPLUS
 CN D-Proline, 4-cyano-1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



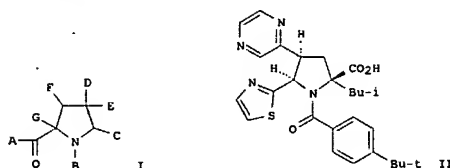
10531884a

L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2003:356447 CAPLUS
 DOCUMENT NUMBER: 138:368917
 TITLE: Preparation of heteroaryl acyl pyrrolidine derivatives
 INVENTOR(S): as antiviral agents
 Bravi, Gianpaolo; Guidetti, Rossella; Haigh, David; Hartley, Charles David; Howes, Peter David; Jackson, Deborah Lynette; Lovegrove, Victoria Lucy Helen;
 Shah,
 PATENT ASSIGNEE(S): Pritom; Slater, Martin John; Wareing, Katrina Jane
 Glaxo Group Limited, UK
 SOURCE: PCT Int. Appl., 99 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003037895	A1	20030508	WO 2002-EP12176	20021030
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1440069	A1	20040728	EP 2002-783059	20021030
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, HK, CY, AL, TR, BG, CZ, EE, SK				
JP 2005515172	T	20050526	JP 2003-540176	20021030
US 2005043390	A1	20050224	US 2004-494127	20041011
PRIORITY APPLN. INFO.:				
GB 2001-26440 A 20011102				
GB 2002-3900 A 20020219				
GB 2002-19321 A 20020819				
WO 2002-EP12176 W 20021030				

OTHER SOURCE(S): MARPAT 138:368917
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L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



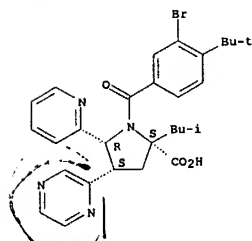
AB Title compds. I [A = alkoxy, amino; B = acyl; C = alkyl, (hetero)aryl, heterocyclyl; D = 6-membered (un)saturated heterocycle; E = H, alkyl; F = H, alkyl, (hetero)aryl; G = H, alkyl, heterocyclylalkyl, etc.] are prepared For instance, 2-amino-4-methylpentanoic acid tert-Bu ester is condensed with thiazole-2-carboxaldehyde and the product treated with 2-vinylpyrazine (THF, LiBr, Et3N) to give rel-(2S,4S,5R)-2-isobutyl-4-(pyrazin-2-yl)-5-(1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid tert-Bu ester. N-acylation of this intermediate with 4-(tert-butyl)benzoyl chloride followed by treatment with TFA affords II. I are used as antiviral agents against hepatitis C.

IT 521957-24-4P 521957-25-5P 521957-31-3P
 521957-38-0P 521957-87-9P
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

RN 521957-24-4 CAPLUS
 CN D-Proline, 1-[3-bromo-4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-pyrazinyl-5-(2-pyridinyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

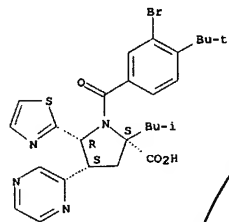
Relative stereochemistry.

L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 521957-25-5 CAPLUS
 CN D-Proline, 1-[3-bromo-4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-pyrazinyl-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

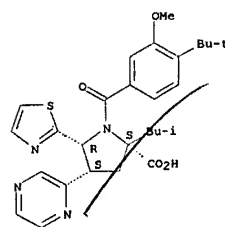
Relative stereochemistry.



RN 521957-31-3 CAPLUS
 CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-4-pyrazinyl-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

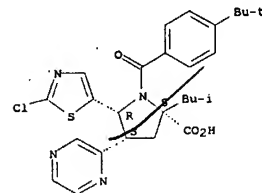
Relative stereochemistry.

L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 521957-38-0 CAPLUS
 CN D-Proline, 5-(2-chloro-5-thiazolyl)-1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-pyrazinyl-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

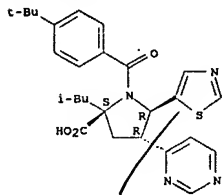


RN 521957-87-9 CAPLUS
 CN D-Proline, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-(4-pyrimidinyl)-5-(5-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

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L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



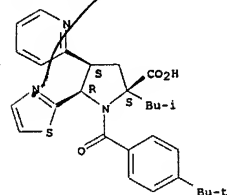
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521957-20-0P 521957-21-1P 521957-22-2P
521957-23-3P 521957-26-6P 521957-27-7P
521957-28-8P 521957-29-9P 521957-30-2P
521957-33-5P 521957-34-6P 521957-35-7P
521957-37-9P 521957-40-4P 521957-41-5P
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521957-54-0P 521957-56-2P 521957-58-4P
521957-60-8P 521957-62-0P 521957-63-1P
521957-65-3P, rel- (2S,4S,5R)-1- (4-tert-Butyl-3-methoxybenzoyl)-2-

((pyridin-2-yl)methyl)-4- (pyrazin-2-yl)-5- (1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid 521957-67-5P, rel- (2S,4S,5R)-1- (4-tert-Butyl-3-methoxybenzoyl)-2- ((methylaminocarbonyl)methyl)-4- (pyrazin-2-yl)-5- (thiazol-2-yl)pyrrolidine-2-carboxylic acid 521957-68-6P, rel- (2S,4S,5R)-1- (4- (tert-Butyl)-3- (methoxybenzoyl)-2- ((aminocarbonyl)methyl)-4- (pyrazin-2-yl)-5- (thiazol-2-yl)pyrrolidine-2-carboxylic acid 521957-71-1P 521957-72-2P
521957-77-7P, rel- (2S,4S,5R)-1- (4-tert-Butyl-3-methoxybenzoyl)-2- ((1H-imidazol-4-yl)methyl)-4- (pyrazin-2-yl)-5- (1,3-thiazol-2-yl)pyrrolidine-2-carboxylic acid 521957-80-2P
521957-82-4P 521957-84-6P 521957-85-7P
521957-89-1P 521957-90-4P 521957-92-6P
521957-94-8P 521957-96-0P 521957-99-3P
521958-02-1P 521958-04-3P 521958-06-5P
521958-08-7P 521958-10-1P 521958-13-4P,

(2S,4R,5R)-1- (4-tert-Butyl-3-methoxybenzoyl)-2-isobutyl-4- (pyrazin-2-yl)-5- (pyridin-2-yl)pyrrolidine-2-carboxylic acid
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

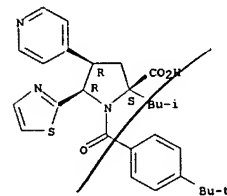
(Preparation of heteroaryl acyl pyrrolidine derivs. as HCV inhibitors)
RN 521957-17-5 CAPLUS
CN D-Proline,
1- [4- (1,1-dimethylethyl)benzoyl]-2- (2-methylpropyl)-4-pyrazinyl-5- (2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 521957-20-0 CAPLUS
CN D-Proline, 1- [4- (1,1-dimethylethyl)benzoyl]-2- (2-methylpropyl)-4- (4-pyridinyl)-5- (2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

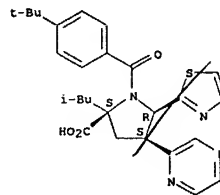
Relative stereochemistry.



RN 521957-21-1 CAPLUS
CN D-Proline, 1- [4- (1,1-dimethylethyl)benzoyl]-2- (2-methylpropyl)-4- (5-pyrimidinyl)-5- (2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

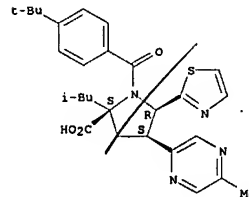
Relative stereochemistry.

L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
Relative stereochemistry.



RN 521957-18-6 CAPLUS
CN D-Proline, 1- [4- (1,1-dimethylethyl)benzoyl]-2- (2-methylpropyl)-4- (5-methylpyrazinyl)-5- (2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

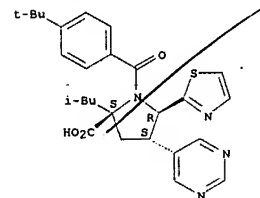
Relative stereochemistry.



RN 521957-19-7 CAPLUS
CN D-Proline, 1- [4- (1,1-dimethylethyl)benzoyl]-2- (2-methylpropyl)-4- (2-pyridinyl)-5- (2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

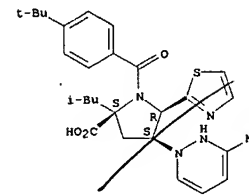
Relative stereochemistry.

L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 521957-22-2 CAPLUS
CN D-Proline,
1- [4- (1,1-dimethylethyl)benzoyl]-2- (2-methylpropyl)-4- (3-methyl-1(2H)-pyridazinyl)-5- (2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

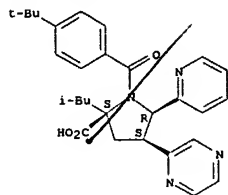


RN 521957-23-3 CAPLUS
CN D-Proline,
1- [4- (1,1-dimethylethyl)benzoyl]-2- (2-methylpropyl)-4- (pyrazinyl)-5- (2-pyridinyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

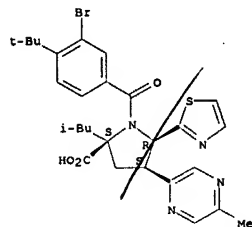
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L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 521957-26-6 CAPLUS
CN D-Proline, 1-[3-bromo-4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-(5-methylpyrazinyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

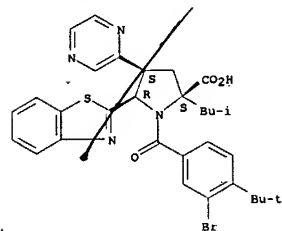
Relative stereochemistry.



RN 521957-27-7 CAPLUS
CN D-Proline, 1-[3-bromo-4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-(3-pyridazinyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

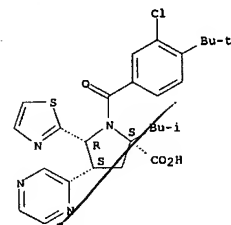
Relative stereochemistry.

L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 521957-30-2 CAPLUS
CN D-Proline, 1-[3-chloro-4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-pyrazinyl-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

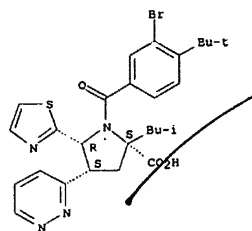
Relative stereochemistry.



RN 521957-33-5 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-(2-quinoxaliny)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

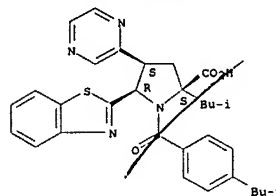
Relative stereochemistry.

L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 521957-28-8 CAPLUS
CN D-Proline, 5-(2-benzothiazolyl)-1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-pyrazinyl-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

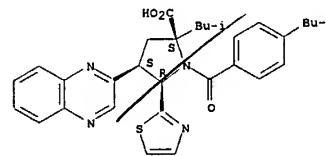
Relative stereochemistry.



RN 521957-29-9 CAPLUS
CN D-Proline, 5-(2-benzothiazolyl)-1-[3-bromo-4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-pyrazinyl-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

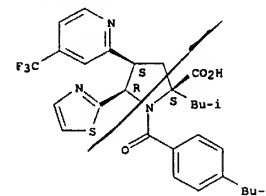
Relative stereochemistry.

L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 521957-34-6 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-4-[4-(trifluoromethyl)-2-pyridinyl]-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

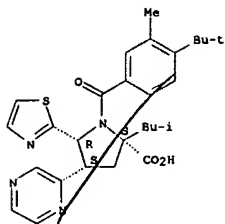


RN 521957-35-7 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methylbenzoyl]-2-(2-methylpropyl)-4-pyrazinyl-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

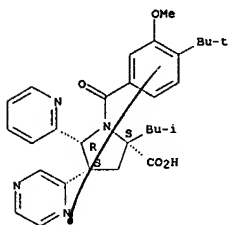
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L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 521957-37-9 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-4-
pyrazinyl-5-(2-pyridinyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

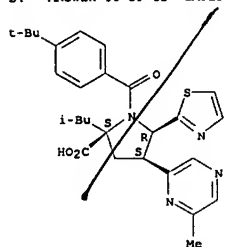
Relative stereochemistry.



RN 521957-40-4 CAPLUS
CN D-Proline,
1-[3-chloro-4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-
pyrazinyl-5-(2-pyridinyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

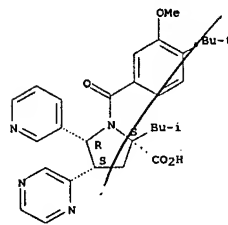
Relative stereochemistry.

L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 521957-51-7 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-4-
pyrazinyl-5-(3-pyridinyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 521957-52-8 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-4-
pyrazinyl-5-(3-pyridinyl)-, (4R,5S)-rel-, mono(trifluoroacetate) (9CI)
(CA INDEX NAME)

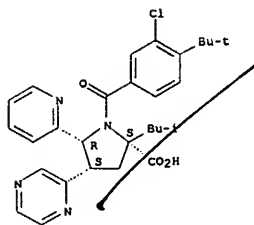
CM 1

CRN 521957-51-7
CMP C30 H36 N4 O4

Relative stereochemistry.

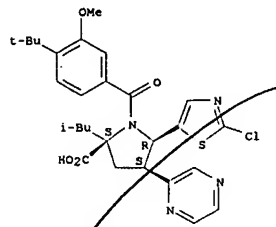
Karen Cheng

L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 521957-41-5 CAPLUS
CN D-Proline, 5-(2-chloro-5-thiazolyl)-1-[4-(1,1-dimethylethyl)-3-
methoxybenzoyl]-2-(2-methylpropyl)-4-pyrazinyl-, (4R,5S)-rel- (9CI) (CA
INDEX NAME)

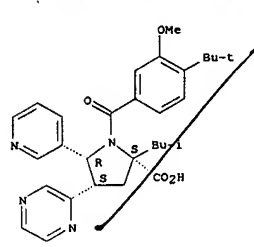
Relative stereochemistry.



RN 521957-43-7 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-(6-
methylpyrazinyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



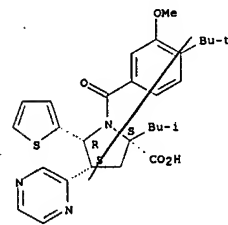
CM 2

CRN 76-05-1
CMP C2 H F3 O2



RN 521957-54-0 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-4-
pyrazinyl-5-(2-thienyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

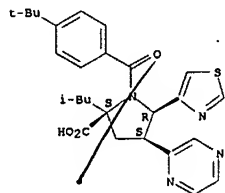


RN 521957-56-2 CAPLUS

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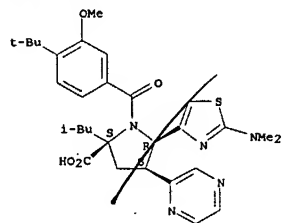
L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CN D-Proline,
 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-pyrazinyl-
 5-(4-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 521957-58-4 CAPLUS
 CN D-Proline, 5-[2-(dimethylamino)-4-thiazolyl]-1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-4-pyrazinyl-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

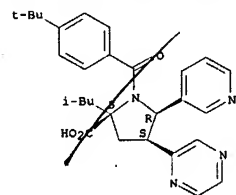
Relative stereochemistry.



RN 521957-60-8 CAPLUS
 CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-4-pyrazinyl-5-(4-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



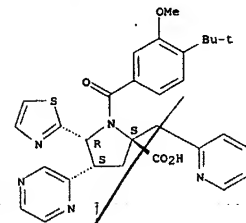
CM 2

CRN 76-05-1
 CMF C2 H F3 O2



RN 521957-65-3 CAPLUS
 CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-pyrazinyl-2-(2-pyridinylmethyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

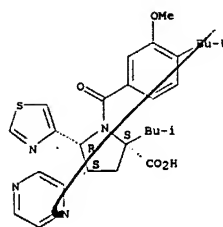
Relative stereochemistry.



RN 521957-67-5 CAPLUS
 CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-[2-(methylamino)-2-oxoethyl]-4-pyrazinyl-5-(2-thiazolyl)-, (4S,5R)-rel- (9CI) (CA INDEX NAME)

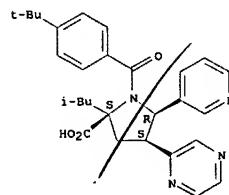
Karen Cheng

L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 521957-62-0 CAPLUS
 CN D-Proline, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-pyrazinyl-5-(3-pyridinyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 521957-63-1 CAPLUS
 CN D-Proline, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-pyrazinyl-5-(3-pyridinyl)-, (4R,5S)-rel-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

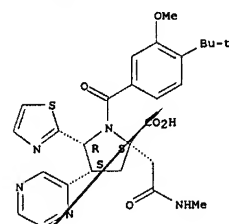
CM 1

CRN 521957-62-0
 CMF C29 H34 N4 O3

Relative stereochemistry.

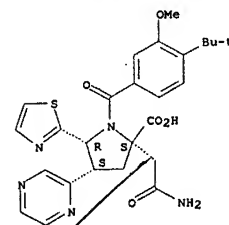
L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

Relative stereochemistry.



RN 521957-68-6 CAPLUS
 CN D-Proline, 2-(2-amino-2-oxoethyl)-1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-pyrazinyl-5-(2-thiazolyl)-, (4S,5R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

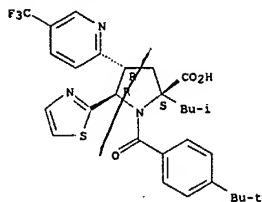


RN 521957-71-1 CAPLUS
 CN L-Proline, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-4-[5-(trifluoromethyl)-2-pyridinyl]-, (4R,5R)-rel- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

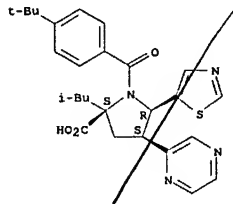
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L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 521957-72-2 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-pyrazinyl-5-(5-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

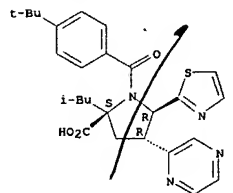
Relative stereochemistry.



RN 521957-77-7 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(1H-imidazol-4-ylmethyl)-4-pyrazinyl-5-(2-thiazolyl)-, (4S,5R)-rel- (9CI) (CA INDEX NAME)

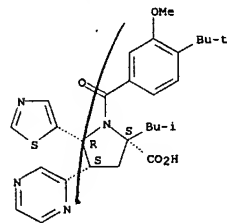
Relative stereochemistry.

L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 521957-84-6 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-4-pyrazinyl-5-(5-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

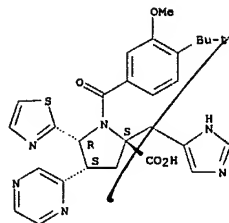
Relative stereochemistry.



RN 521957-85-7 CAPLUS
CN D-Proline, 4-[4-cyano-2-pyridinyl]-1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-5-(5-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

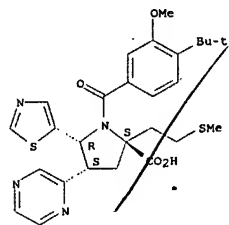
Relative stereochemistry.

L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 521957-80-2 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-[2-(methylthio)ethyl]-4-pyrazinyl-5-(5-thiazolyl)-, (4S,5R)-rel- (9CI) (CA INDEX NAME)

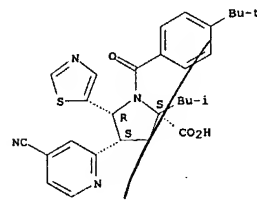
Relative stereochemistry.



RN 521957-82-4 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-pyrazinyl-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

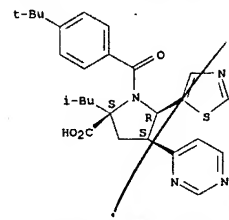
Relative stereochemistry.

L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 521957-89-1 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-(4-pyrimidinyl)-5-(5-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

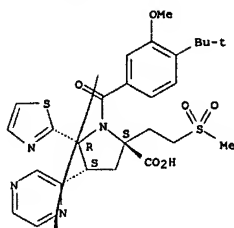


RN 521957-90-4 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-[2-(methylsulfonyl)ethyl]-4-pyrazinyl-5-(2-thiazolyl)-, (4S,5R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

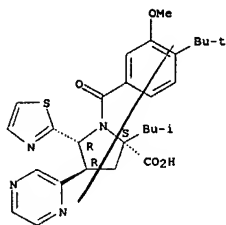
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L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 521957-92-6 CAPLUS
 CN D-Proline,
 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-4-
 pyrazinyl-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

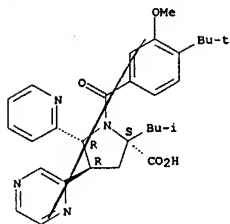
Relative stereochemistry.



RN 521957-94-8 CAPLUS
 CN D-Proline,
 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-methyl-4-pyrazinyl-
 5-(5-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

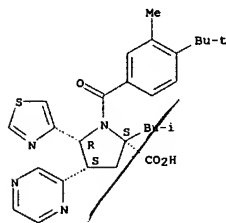
L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



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RN 521958-02-1 CAPLUS
 CN D-Proline,
 1-[4-(1,1-dimethylethyl)-3-methylbenzoyl]-2-(2-methylpropyl)-4-
 pyrazinyl-5-(4-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

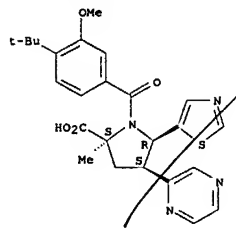
Relative stereochemistry.



RN 521958-04-3 CAPLUS
 CN D-Proline,
 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-5-(2-phenyl-
 4-thiazolyl)-4-pyrazinyl-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

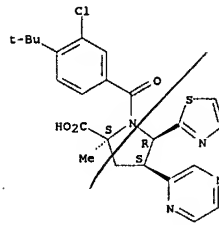
Relative stereochemistry.

L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 521957-96-0 CAPLUS
 CN D-Proline,
 1-[3-chloro-4-(1,1-dimethylethyl)benzoyl]-2-methyl-4-pyrazinyl-
 5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

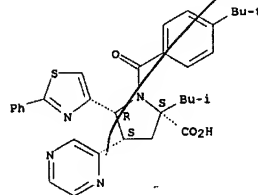
Relative stereochemistry.



RN 521957-99-3 CAPLUS
 CN L-Proline,
 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-4-
 pyrazinyl-5-(2-pyridinyl)-, sodium salt, (4R,5R)- (9CI) (CA INDEX NAME)

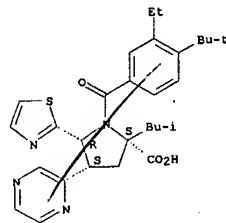
Absolute stereochemistry.

L4 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 521958-06-5 CAPLUS
 CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-ethylbenzoyl]-2-(2-methylpropyl)-4-
 pyrazinyl-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



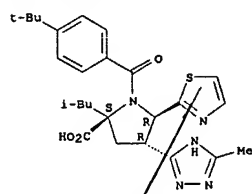
RN 521958-08-7 CAPLUS
 CN D-Proline,
 1-[4-(1,1-dimethylethyl)-3-ethoxybenzoyl]-2-(2-methylpropyl)-4-
 pyrazinyl-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

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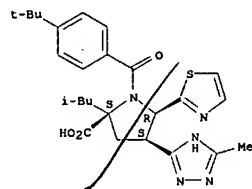
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L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 522646-05-3 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-(5-methyl-1H-1,2,4-triazol-3-yl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

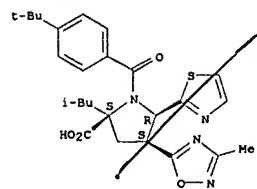
Relative stereochemistry.



RN 522646-07-7 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)benzoyl]-4-(3-methyl-1,2,4-oxadiazol-5-yl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

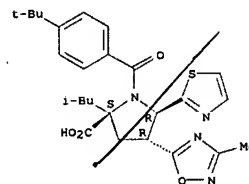
Relative stereochemistry.

L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 522646-09-9 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)benzoyl]-4-(3-methyl-1,2,4-oxadiazol-5-yl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

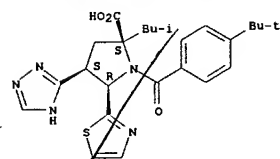
Relative stereochemistry.



RN 522646-11-3 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-4-(1H-1,2,4-triazol-3-yl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

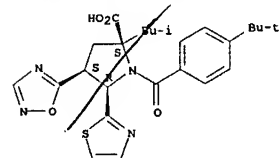
Relative stereochemistry.

L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



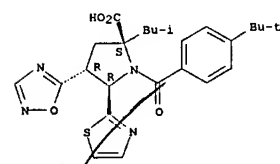
RN 522646-12-4 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-(1,2,4-oxadiazol-5-yl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 522646-14-6 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-(1,2,4-oxadiazol-5-yl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

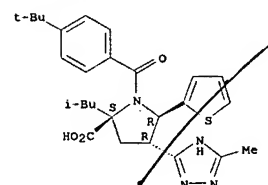


RN 522646-16-8 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-(5-methyl-1H-1,2,4-triazol-3-yl)-5-(2-thienyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

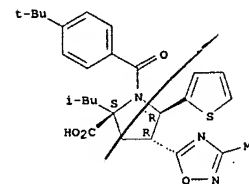
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L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 522646-17-9 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)benzoyl]-4-(3-methyl-1,2,4-oxadiazol-5-yl)-2-(2-methylpropyl)-5-(2-thienyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

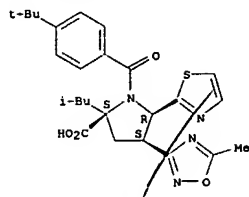


RN 522646-19-1 CAPLUS
CN D-Proline,
1-[4-(1,1-dimethylethyl)benzoyl]-4-(5-methyl-1,2,4-oxadiazol-3-yl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

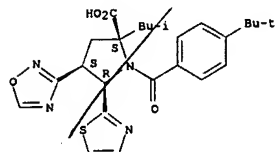
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L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



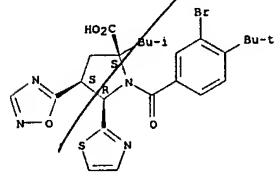
RN 522646-20-4 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-(1,2,4-oxadiazol-3-yl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 522646-25-9 CAPLUS
CN D-Proline, 1-[3-bromo-4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-(1,2,4-oxadiazol-5-yl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

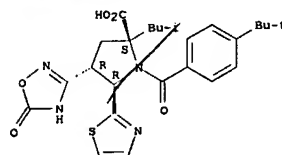
Relative stereochemistry.



L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

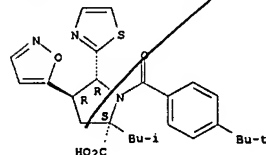
RN 522646-27-1 CAPLUS
CN D-Proline, 4-(2,5-dihydro-5-oxo-1,2,4-oxadiazol-3-yl)-1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 522646-29-3 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)benzoyl]-4-(5-isoxazolyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

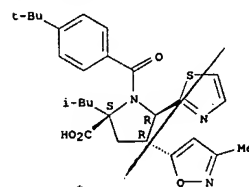
Relative stereochemistry.



RN 522646-31-7 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)benzoyl]-4-(3-methyl-5-isoxazolyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

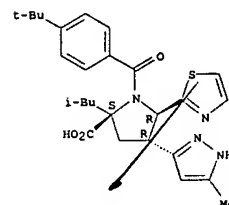
Relative stereochemistry.

L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 522646-33-9 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-(5-methyl-1H-pyrazol-3-yl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

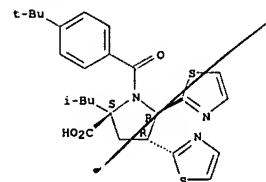
Relative stereochemistry.



RN 522646-35-1 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4,5-bis(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

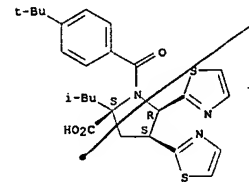
Relative stereochemistry.

L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



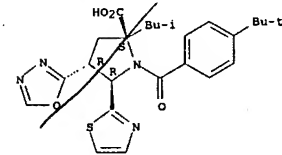
RN 522646-37-3 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4,5-bis(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 522646-38-4 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-(1,3,4-oxadiazol-2-yl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



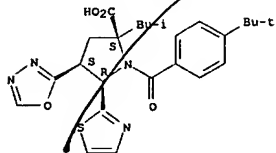
RN 522646-40-8 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-(1,3,4-oxadiazol-2-yl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

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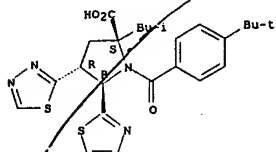
L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

Relative stereochemistry.



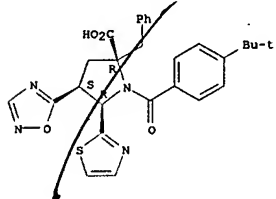
RN 522646-41-9 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-(1,3,4-thiadiazol-2-yl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 522646-42-0 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)benzoyl]-4-(1,2,4-oxadiazol-5-yl)-2-(phenylmethyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

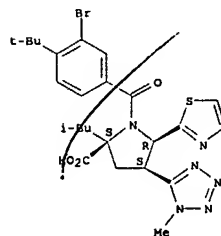


L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RN 522646-44-2 CAPLUS

CN D-Proline, 1-[3-bromo-4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-(1-methyl-1H-tetrazol-5-yl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

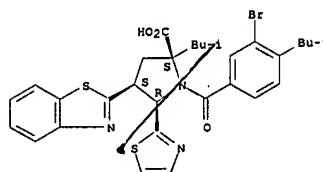
Relative stereochemistry.



RN 522646-46-4 CAPLUS

CN D-Proline, 4-(2-benzothiazolyl)-1-[3-bromo-4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



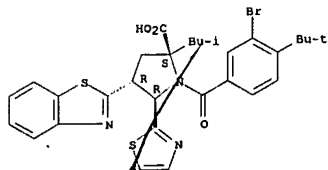
RN 522646-47-5 CAPLUS

CN D-Proline, 4-(2-benzothiazolyl)-1-[3-bromo-4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

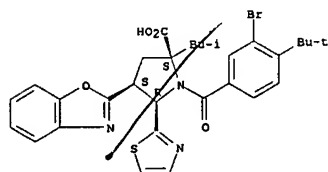
L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

Relative stereochemistry.



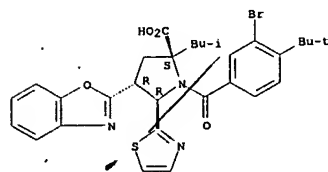
RN 522646-48-6 CAPLUS
CN D-Proline, 4-(2-benzoxazolyl)-1-[3-bromo-4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 522646-49-7 CAPLUS
CN D-Proline, 4-(2-benzoxazolyl)-1-[3-bromo-4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

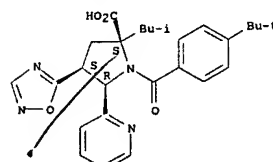
Relative stereochemistry.



RN 522646-50-0 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-(1,2,4-oxadiazol-5-yl)-5-(2-pyridinyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

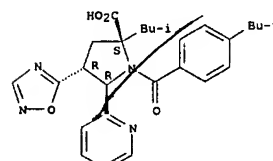
Relative stereochemistry.



RN 522646-51-1 CAPLUS

CN D-Proline, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-(1,2,4-oxadiazol-5-yl)-5-(2-pyridinyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

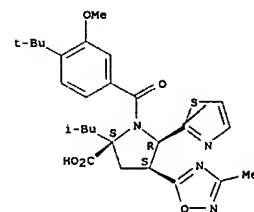
Relative stereochemistry.



RN 522646-52-2 CAPLUS

CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(3-methyl-1,2,4-oxadiazol-5-yl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



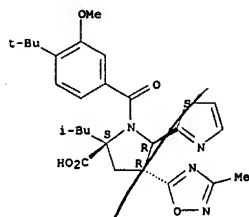
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L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

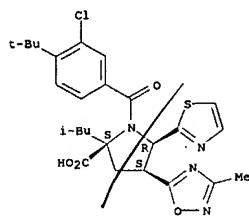
RN 522646-53-3 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(3-methyl-1,2,4-oxadiazol-5-yl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 522646-54-4 CAPLUS
CN D-Proline, 1-[3-chloro-4-(1,1-dimethylethyl)benzoyl]-4-(3-methyl-1,2,4-oxadiazol-5-yl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

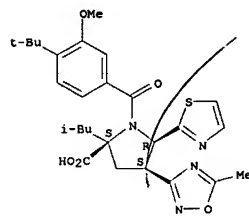
Relative stereochemistry.



RN 522646-55-5 CAPLUS
CN D-Proline, 1-[3-chloro-4-(1,1-dimethylethyl)benzoyl]-4-(3-methyl-1,2,4-oxadiazol-5-yl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

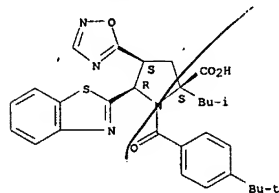
Relative stereochemistry.

L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 522646-59-9 CAPLUS
CN D-Proline, 5-(2-benzothiazolyl)-1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-(1,2,4-oxadiazol-5-yl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

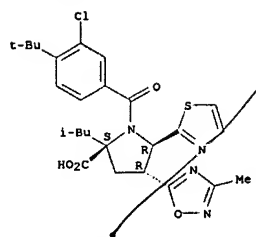
Relative stereochemistry.



RN 522646-60-2 CAPLUS
CN D-Proline, 5-(2-benzothiazolyl)-1-[3-bromo-4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-(1,2,4-oxadiazol-5-yl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

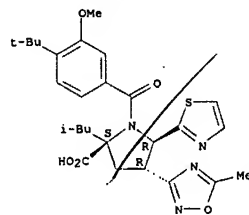
Relative stereochemistry.

L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 522646-57-7 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(5-methyl-1,2,4-oxadiazol-3-yl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

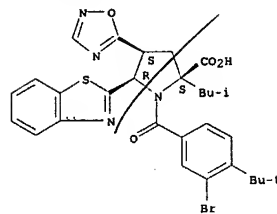
Relative stereochemistry.



RN 522646-58-8 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(5-methyl-1,2,4-oxadiazol-3-yl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

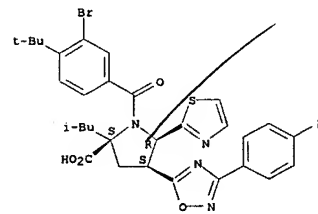
Relative stereochemistry.

L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 522646-61-3 CAPLUS
CN D-Proline, 1-[3-bromo-4-(1,1-dimethylethyl)benzoyl]-4-[3-(4-fluorophenyl)-1,2,4-oxadiazol-5-yl]-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

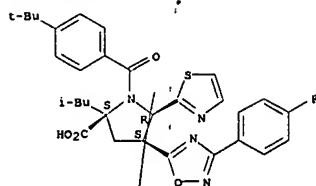


RN 522646-62-4 CAPLUS
CN D-Proline, 1-[4-(1,1-dimethylethyl)benzoyl]-4-[3-(4-fluorophenyl)-1,2,4-oxadiazol-5-yl]-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

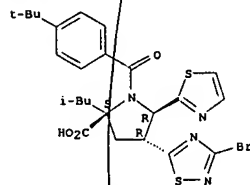
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L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 522646-63-5 CAPLUS
 CN D-Proline, 1-[4-(3-bromo-1,2,4-thiadiazol-5-yl)-1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

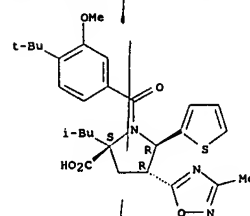
Relative stereochemistry.



RN 522646-64-6 CAPLUS
 CN D-Proline, 1-[4-(3-bromo-1,2,4-thiadiazol-5-yl)-1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

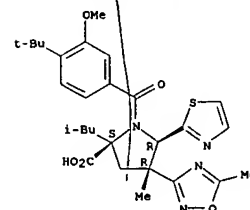
Relative stereochemistry.

L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 522646-67-9 CAPLUS
 CN D-Proline, 1-[4-(5-methyl-1,2,4-oxadiazol-3-yl)-1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

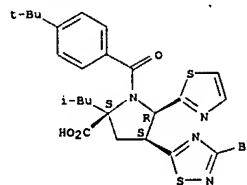
Relative stereochemistry.



RN 522646-68-0 CAPLUS
 CN D-Proline, 1-[4-(5-methyl-1,2,4-oxadiazol-3-yl)-1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-thienyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

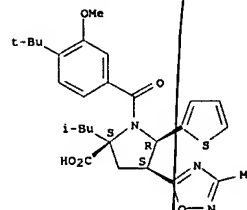
Relative stereochemistry.

L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 522646-65-7 CAPLUS
 CN D-Proline, 1-[4-(3-methyl-1,2,4-oxadiazol-5-yl)-1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-thienyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

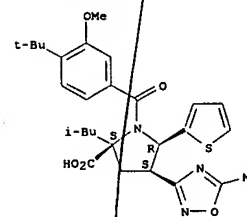
Relative stereochemistry.



RN 522646-66-8 CAPLUS
 CN D-Proline, 1-[4-(3-methyl-1,2,4-oxadiazol-5-yl)-1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-thienyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

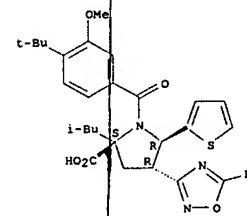
Relative stereochemistry.

L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 522646-69-1 CAPLUS
 CN D-Proline, 1-[4-(5-methyl-1,2,4-oxadiazol-3-yl)-1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-thienyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 522646-71-5 CAPLUS
 CN D-Proline, 1-[4-(3-methyl-1,2,4-oxadiazol-5-yl)-1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-thienyl)-5-(3-pyridinyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

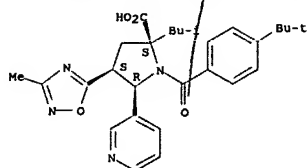
CM 1

CRN 522646-70-4
 CMF C28 H34 N4 O4

Relative stereochemistry.

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L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

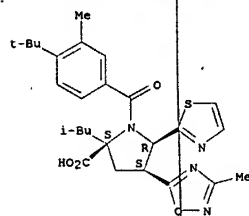


CM 2

CRN 76-05-1
CMF C2 H F3 O2

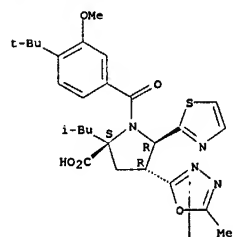
RN 522646-72-6 CAPLUS
CN D-Proline, 1-[4-[(1,1-dimethylethyl)-3-methylbenzoyl]-4-(3-methyl-1,2,4-oxadiazol-5-yl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



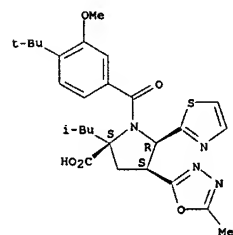
RN 522646-73-7 CAPLUS
CN D-Proline, 1-[4-[(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(5-methyl-1,2,4-

L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 522646-76-0 CAPLUS
CN D-Proline, 1-[4-[(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(5-methyl-1,3,4-oxadiazol-2-yl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

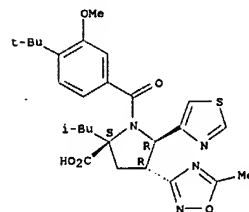


RN 522646-77-1 CAPLUS
CN D-Proline, 1-[4-[(1,1-dimethylethyl)benzoyl]-4-(5-methyl-1,3,4-oxadiazol-2-yl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

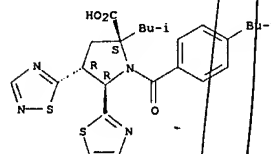
L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
oxadiazol-3-yl)-2-(2-methylpropyl)-5-(4-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 522646-74-8 CAPLUS
CN D-Proline, 1-[4-[(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-(1,2,4-thiadiazol-5-yl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

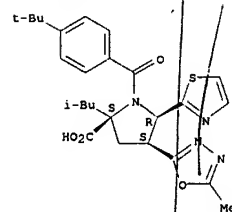
Relative stereochemistry.



RN 522646-75-9 CAPLUS
CN D-Proline, 1-[4-[(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(5-methyl-1,3,4-oxadiazol-2-yl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

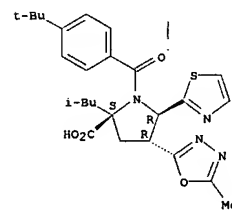
Relative stereochemistry.

L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 522646-78-2 CAPLUS
CN D-Proline, 1-[4-[(1,1-dimethylethyl)benzoyl]-4-(5-methyl-1,3,4-oxadiazol-2-yl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



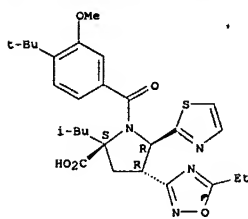
RN 522646-79-3 CAPLUS
CN D-Proline, 1-[4-[(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(5-ethyl-1,2,4-oxadiazol-3-yl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

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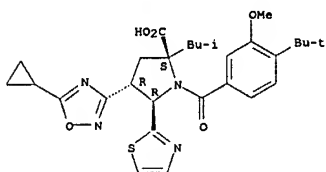
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L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 522646-80-6 CAPLUS
 CN D-Proline,
 4-(5-cyclopropyl-1,2,4-oxadiazol-3-yl)-1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI)
 (CA INDEX NAME)

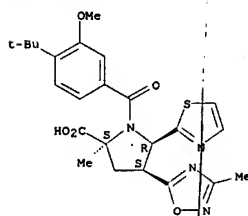
Relative stereochemistry.



RN 522646-81-7 CAPLUS
 CN D-Proline,
 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-(2-methylpropyl)-4-(5-methyl-1,2,4-thiadiazol-3-yl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI)
 (CA INDEX NAME)

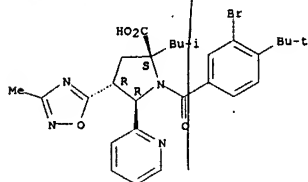
Relative stereochemistry.

L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 522646-84-0 CAPLUS
 CN D-Proline, 1-[3-bromo-4-(1,1-dimethylethyl)benzoyl]-4-(3-methyl-1,2,4-oxadiazol-5-yl)-2-(2-methylpropyl)-5-(2-pyridinyl)-, (4S,5S)-rel- (9CI)
 (CA INDEX NAME)

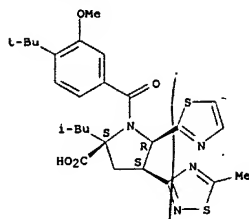
Relative stereochemistry.



RN 522646-85-1 CAPLUS
 CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(3-methyl-5-isoxazol-3-yl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

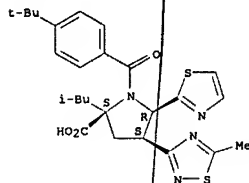
Relative stereochemistry.

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RN 522646-82-8 CAPLUS
 CN D-Proline,
 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-(5-methyl-1,2,4-thiadiazol-3-yl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

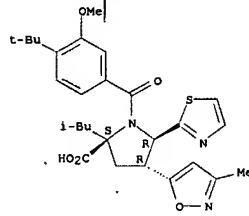
Relative stereochemistry.



RN 522646-83-9 CAPLUS
 CN D-Proline,
 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-2-methyl-4-(3-methyl-1,2,4-oxadiazol-5-yl)-5-(2-thiazolyl)-, (4R,5S)-rel- (9CI) (CA INDEX NAME)

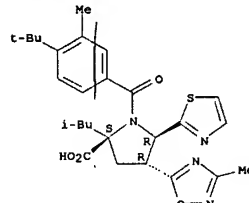
Relative stereochemistry.

L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 522646-86-2 CAPLUS
 CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methylbenzoyl]-4-(3-methyl-1,2,4-oxadiazol-5-yl)-2-(2-methylpropyl)-5-(2-thiazolyl)-, (4S,5S)-rel- (9CI)
 (CA INDEX NAME)

Relative stereochemistry.

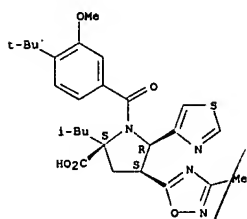


RN 522646-87-3 CAPLUS
 CN D-Proline, 1-[4-(1,1-dimethylethyl)-3-methoxybenzoyl]-4-(3-methyl-1,2,4-oxadiazol-5-yl)-2-(2-methylpropyl)-5-(4-thiazolyl)-, (4R,5S)-rel- (9CI)
 (CA INDEX NAME)

Relative stereochemistry.

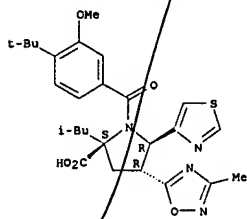
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L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 522646-88-4 CAPLUS
 CN D-Proline, 1-(4-(1,1-dimethylethyl)-3-methoxybenzoyl)-4-(3-methyl-1,2,4-oxadiazol-5-yl)-2-(2-methylpropyl)-5-(4-thiazolyl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT 522647-61-6P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of azolylpyrrolidinecarboxylates as hepatitis C virus (HCV)

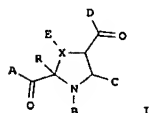
inhibitors)
 RN 522647-61-6 CAPLUS
 CN D-Proline, 5-(2-benzothiazolyl)-1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-4-(1,2,4-oxadiazol-5-yl)-, (4S,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:83308 CAPLUS
 DOCUMENT NUMBER: 135:371990
 TITLE: Preparation of pyrrolidine-2,4-dicarboxylic acid derivatives as novel anti-infectives
 INVENTOR(S): Dhanak, Dashyant; Carr, Thomas
 PATENT ASSIGNEE(S): Smithkline Beecham Corporation, USA
 SOURCE: PCT Int. Appl., 53 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

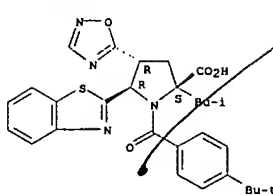
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001085720	A1	20011115	WO 2001-US14525	20010504
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GM, GH, KE, LS, MM, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 2001059511	A5	20011120	AU 2001-59511	20010504
EP 1278743	A1	20030129	EP 2001-933049	20010504
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MX, CY, AL, TR				
JP 2003512726	T	20031105	JP 2001-582321	20010504
US 2004010030	A1	20040115	US 2002-275426	20021105
US 6713502	B2	20040330		
PRIORITY APPLN. INFO.:				
OTHER SOURCE(S): MARPAT 135:371990				
GI				



AB Comps. I [A and D are OR1, NR1R2, or R1, where R1 and R2 = H, alkyl, aryl, alkylaryl, arylalkyl; B is H, C(O)R1; C is H, alkyl, aryl; E is any group given for R1; R is alkyl, aryl, alkylaryl, arylalkyl; X = (CH2)n, where n = 1-3] were prepared as novel anti-infectives, particularly as hepatitis C virus inhibitors. Thus, 2-isobutyl-5-thiophen-2-yl-1-[4-(trifluoromethyl)phenyl]carbonylpyrrolidine-2,4-dicarboxylic acid 4-Me

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L4 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

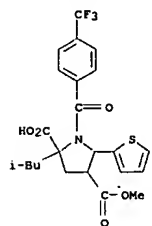
L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

ester was prepd. by sequential reactions of Wang resin-bound Fmoc-leucine (Fmoc = 9-fluorenylmethoxycarbonyl) with 2-thiophenecarboxaldehyde, Me acrylate, and 4-(trifluoromethyl)benzoyl chloride, followed by resin cleavage using trifluoroacetic acid.
 IT 373592-41-7P 373592-49-5P 373592-50-8P
 373592-55-3P 373592-62-2P 373592-68-8P
 373592-69-9P 373592-70-2P 373592-71-3P
 373592-72-4P 373592-73-5P 373592-74-6P
 373592-75-7P 373592-76-8P 373592-77-9P
 373592-78-0P 373592-79-1P 373592-80-4P
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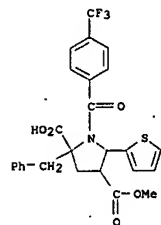
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of pyrrolidinedicarboxylic acid derivs. as novel anti-infectives)
 RN 373592-41-7 CAPLUS
 CN 2,4-pyrrolidinedicarboxylic acid, 2-(2-methylpropyl)-5-(2-thienyl)-1-[4-(trifluoromethyl)benzoyl]-, 4-methyl ester (9CI) (CA INDEX NAME)

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L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

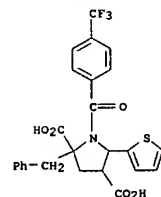


RN 373592-49-5 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 2-(phenylmethyl)-5-(2-thienyl)-1-[4-(trifluoromethyl)benzoyl]-, 4-methyl ester (9CI) (CA INDEX NAME)

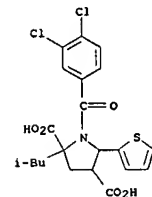


RN 373592-50-8 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 1-(3,4-dichlorobenzoyl)-2-(phenylmethyl)-5-(2-thienyl)-, 4-methyl ester (9CI) (CA INDEX NAME)

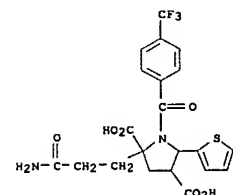
L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 373592-68-8 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 1-(3,4-dichlorobenzoyl)-2-(2-methylpropyl)-5-(2-thienyl)- (9CI) (CA INDEX NAME)

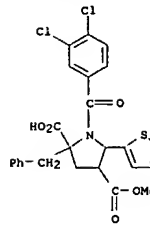


RN 373592-69-9 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 2-(3-amino-3-oxopropyl)-5-(2-thienyl)-1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)

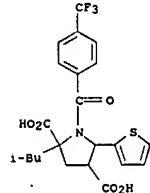


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L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



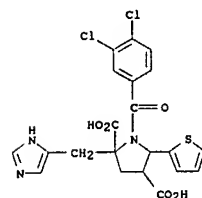
RN 373592-55-3 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 2-(2-methylpropyl)-5-(2-thienyl)-1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



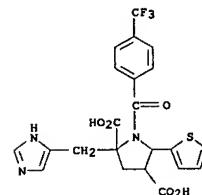
RN 373592-62-2 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 2-(phenylmethyl)-5-(2-thienyl)-1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RN 373592-70-2 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 1-(3,4-dichlorobenzoyl)-2-(1H-imidazol-4-ylmethyl)-5-(2-thienyl)- (9CI) (CA INDEX NAME)



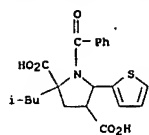
RN 373592-71-3 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 2-(1H-imidazol-4-ylmethyl)-5-(2-thienyl)-1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



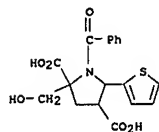
RN 373592-72-4 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 1-benzoyl-2-(2-methylpropyl)-5-(2-thienyl)- (9CI) (CA INDEX NAME)

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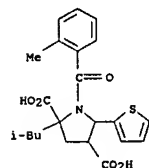
L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 373592-73-5 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 1-benzoyl-2-(hydroxymethyl)-5-(2-thienyl)- (9CI) (CA INDEX NAME)

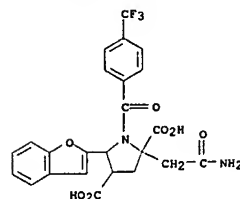


RN 373592-74-6 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 1-(2-methylbenzoyl)-2-(2-methylpropyl)-5-(2-thienyl)- (9CI) (CA INDEX NAME)

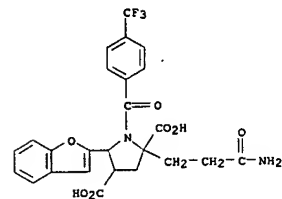


RN 373592-75-7 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 1-(4-chlorobenzoyl)-2-(2-methylpropyl)-5-(2-thienyl)- (9CI) (CA INDEX NAME)

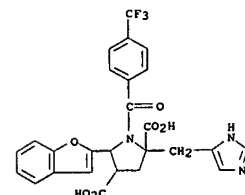
L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



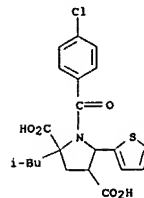
RN 373592-78-0 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 2-(3-amino-3-oxopropyl)-5-(2-benzofuranyl)-1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



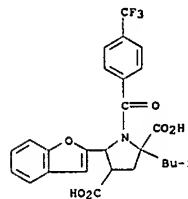
RN 373592-79-1 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 5-(2-benzofuranyl)-2-(1H-imidazol-4-ylmethyl)-1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



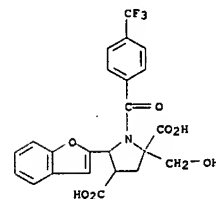
RN 373592-76-8 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 5-(2-benzofuranyl)-2-(2-methylpropyl)-1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



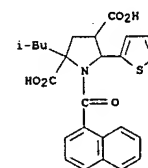
RN 373592-77-9 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 2-(2-amino-2-oxoethyl)-5-(2-benzofuranyl)-1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RN 373592-80-4 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 5-(2-benzofuranyl)-2-(hydroxymethyl)-1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



RN 373592-81-5 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 2-(2-methylpropyl)-1-[1-naphthalenylcarbonyl]-5-(2-thienyl)- (9CI) (CA INDEX NAME)

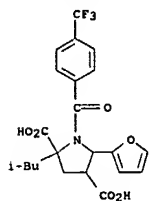


RN 373592-82-6 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 5-(2-furanyl)-2-(2-methylpropyl)-1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)

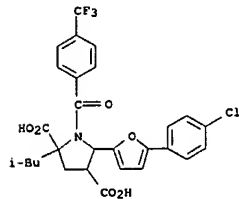
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L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



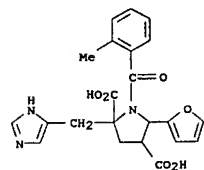
RN 373592-83-7 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 5-[5-(4-chlorophenyl)-2-furanyl]-2-(2-methylpropyl)-1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



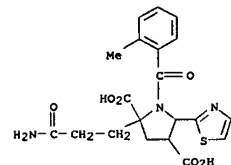
RN 373592-84-8 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 5-(2-furanyl)-2-(hydroxymethyl)-1-(2-methylbenzoyl)- (9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

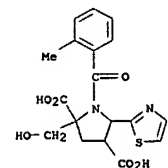
RN 373592-87-1 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 5-(2-furanyl)-2-(1H-imidazol-4-ylmethyl)-1-(2-methylbenzoyl)- (9CI) (CA INDEX NAME)



RN 373592-88-2 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 2-(3-amino-3-oxopropyl)-1-(2-methylbenzoyl)-5-(2-thiazolyl)- (9CI) (CA INDEX NAME)

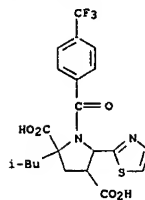


RN 373592-89-3 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 2-(hydroxymethyl)-1-(2-methylbenzoyl)-5-(2-thiazolyl)- (9CI) (CA INDEX NAME)

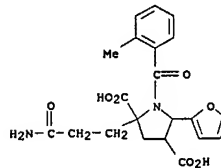


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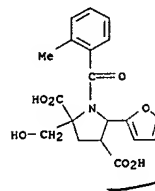
L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 373592-85-9 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 2-(3-amino-3-oxopropyl)-5-(2-furanyl)-1-(2-methylbenzoyl)- (9CI) (CA INDEX NAME)

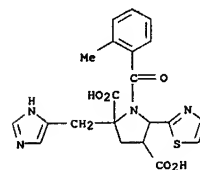


RN 373592-86-0 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 5-(2-furanyl)-2-(hydroxymethyl)-1-(2-methylbenzoyl)- (9CI) (CA INDEX NAME)

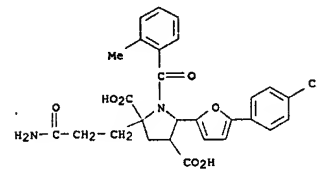


L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

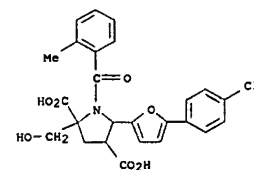
RN 373592-90-6 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 2-(1H-imidazol-4-ylmethyl)-1-(2-methylbenzoyl)-5-(2-thiazolyl)- (9CI) (CA INDEX NAME)



RN 373592-91-7 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 2-(3-amino-3-oxopropyl)-5-[5-(4-chlorophenyl)-2-furanyl]-1-(2-methylbenzoyl)- (9CI) (CA INDEX NAME)



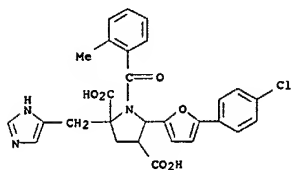
RN 373592-92-8 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 5-[5-(4-chlorophenyl)-2-furanyl]-2-(hydroxymethyl)-1-(2-methylbenzoyl)- (9CI) (CA INDEX NAME)



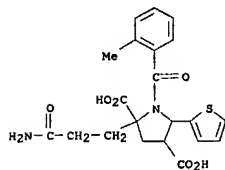
RN 373592-93-9 CAPLUS

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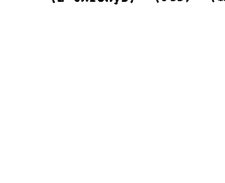
L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CN 2,4-Pyrrolidinedicarboxylic acid, 5-[5-(4-chlorophenyl)-2-furanyl]-2-(1H-imidazol-4-ylmethyl)-1-(2-methylbenzoyl)- (9CI) (CA INDEX NAME)



RN 373592-94-0 CAPLUS
 CN 2,4-Pyrrolidinedicarboxylic acid, 2-(3-amino-3-oxopropyl)-1-(2-methylbenzoyl)-5-(2-thienyl)- (9CI) (CA INDEX NAME)

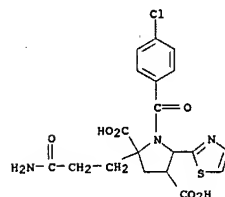


RN 373592-95-1 CAPLUS
 CN 2,4-Pyrrolidinedicarboxylic acid, 2-(hydroxymethyl)-1-(2-methylbenzoyl)-5-(2-thienyl)- (9CI) (CA INDEX NAME)

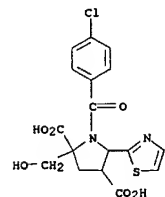


L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

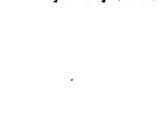
RN 373592-98-4 CAPLUS
 CN 2,4-Pyrrolidinedicarboxylic acid, 2-(3-amino-3-oxopropyl)-1-(4-chlorobenzoyl)-5-(2-thiazolyl)- (9CI) (CA INDEX NAME)



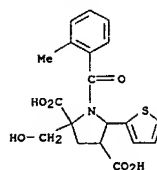
RN 373592-99-5 CAPLUS
 CN 2,4-Pyrrolidinedicarboxylic acid, 1-(4-chlorobenzoyl)-2-(hydroxymethyl)-5-(2-thiazolyl)- (9CI) (CA INDEX NAME)



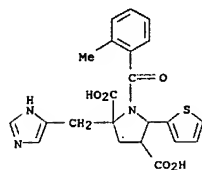
RN 373593-00-1 CAPLUS
 CN 2,4-Pyrrolidinedicarboxylic acid, 1-(4-chlorobenzoyl)-2-(1H-imidazol-4-ylmethyl)-5-(2-thiazolyl)- (9CI) (CA INDEX NAME)



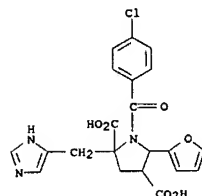
L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



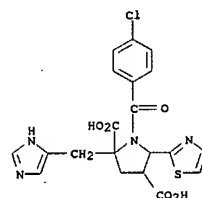
RN 373592-96-2 CAPLUS
 CN 2,4-Pyrrolidinedicarboxylic acid, 2-(1H-imidazol-4-ylmethyl)-1-(2-methylbenzoyl)-5-(2-thienyl)- (9CI) (CA INDEX NAME)



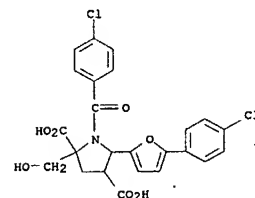
RN 373592-97-3 CAPLUS
 CN 2,4-Pyrrolidinedicarboxylic acid, 1-(4-chlorobenzoyl)-5-(2-furanyl)-2-(1H-imidazol-4-ylmethyl)- (9CI) (CA INDEX NAME)



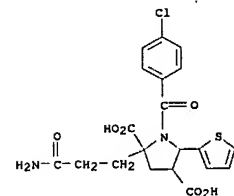
L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 373593-01-2 CAPLUS
 CN 2,4-Pyrrolidinedicarboxylic acid, 1-(4-chlorobenzoyl)-5-[5-(4-chlorophenyl)-2-furanyl]-2-(hydroxymethyl)- (9CI) (CA INDEX NAME)



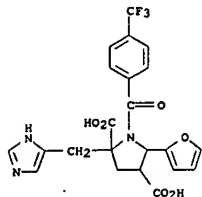
RN 373593-02-3 CAPLUS
 CN 2,4-Pyrrolidinedicarboxylic acid, 2-(3-amino-3-oxopropyl)-1-(4-chlorobenzoyl)-5-(2-thienyl)- (9CI) (CA INDEX NAME)



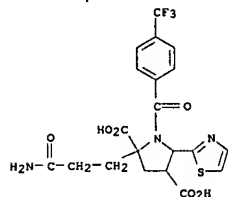
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L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RN 373593-03-4 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid,
5-(2-furanyl)-2-(1H-imidazol-4-ylmethyl)-
1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)

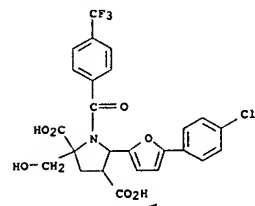


RN 373593-04-5 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid,
2-(3-amino-3-oxopropyl)-5-(2-thiazolyl)-
1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)

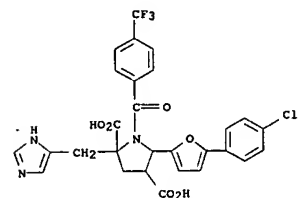


RN 373593-05-6 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 2-(hydroxymethyl)-5-(2-thiazolyl)-1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)

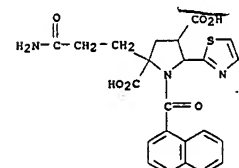
L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 373593-08-9 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 5-[5-(4-chlorophenyl)-2-furanyl]-2-(1H-imidazol-4-ylmethyl)-1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



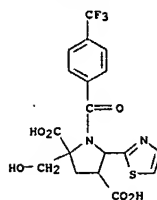
RN 373593-09-0 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 2-(3-amino-3-oxopropyl)-1-(1-naphthalenylcarbonyl)-5-(2-thiazolyl)- (9CI) (CA INDEX NAME)



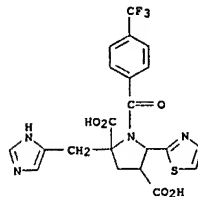
RN 373593-10-3 CAPLUS

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L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

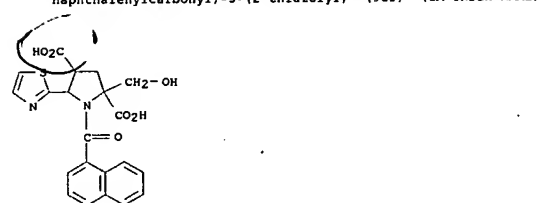


RN 373593-06-7 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 2-(1H-imidazol-4-ylmethyl)-5-(2-thiazolyl)-1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)

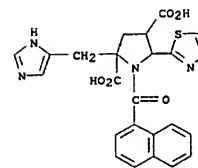


RN 373593-07-8 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 5-[5-(4-chlorophenyl)-2-furanyl]-2-(1H-imidazol-4-ylmethyl)-1-(1-naphthalenylcarbonyl)- (9CI) (CA INDEX NAME)

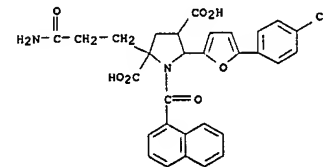
L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 373593-11-4 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 2-(1H-imidazol-4-ylmethyl)-1-(1-naphthalenylcarbonyl)-5-(2-thiazolyl)- (9CI) (CA INDEX NAME)



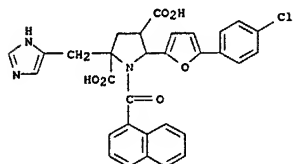
RN 373593-12-5 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 2-(3-amino-3-oxopropyl)-5-[5-(4-chlorophenyl)-2-furanyl]-1-(1-naphthalenylcarbonyl)- (9CI) (CA INDEX NAME)



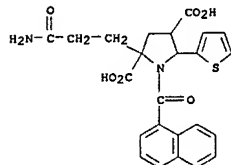
RN 373593-13-6 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 5-[5-(4-chlorophenyl)-2-furanyl]-2-(1H-imidazol-4-ylmethyl)-1-(1-naphthalenylcarbonyl)- (9CI) (CA INDEX NAME)

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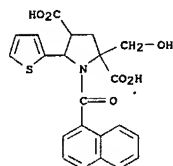
L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 imidazol-4-ylmethyl)-1-(1-naphthalenylcarbonyl)- (9CI) (CA INDEX NAME)



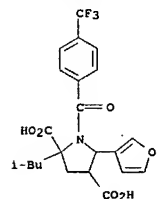
RN 373593-14-7 CAPLUS
 CN 2,4-Pyrrolidinedicarboxylic acid, 2-(3-amino-3-oxopropyl)-1-(1-naphthalenylcarbonyl)-5-(2-thienyl)- (9CI) (CA INDEX NAME)



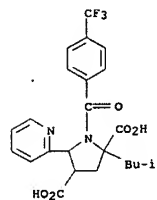
RN 373593-15-8 CAPLUS
 CN 2,4-Pyrrolidinedicarboxylic acid, 2-(hydroxymethyl)-1-(1-naphthalenylcarbonyl)-5-(2-thienyl)- (9CI) (CA INDEX NAME)



L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

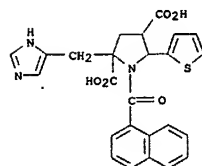


RN 373593-19-2 CAPLUS
 CN 2,4-Pyrrolidinedicarboxylic acid, 2-(2-methylpropyl)-5-(2-pyridinyl)-1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)

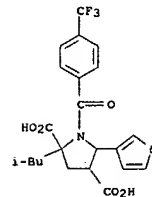


RN 373593-20-5 CAPLUS
 CN 2,4-Pyrrolidinedicarboxylic acid, 5-(5-ethyl-2-furanyl)-2-(2-methylpropyl)-1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 RN 373593-16-9 CAPLUS
 CN 2,4-Pyrrolidinedicarboxylic acid, 2-(1H-imidazol-4-ylmethyl)-1-(1-naphthalenylcarbonyl)-5-(2-thienyl)- (9CI) (CA INDEX NAME)

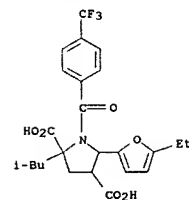


RN 373593-17-0 CAPLUS
 CN 2,4-Pyrrolidinedicarboxylic acid, 2-(2-methylpropyl)-5-(3-thienyl)-1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)

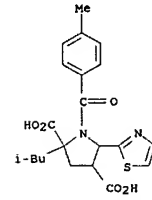


RN 373593-18-1 CAPLUS
 CN 2,4-Pyrrolidinedicarboxylic acid, 5-(3-furanyl)-2-(2-methylpropyl)-1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



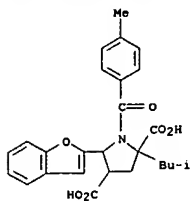
RN 373593-21-6 CAPLUS
 CN 2,4-Pyrrolidinedicarboxylic acid, 1-(4-methylbenzoyl)-2-(2-methylpropyl)-5-(2-thiazolyl)- (9CI) (CA INDEX NAME)



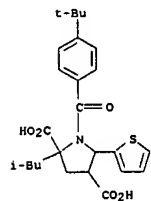
RN 373593-22-7 CAPLUS
 CN 2,4-Pyrrolidinedicarboxylic acid, 5-(2-benzofuranyl)-1-(4-methylbenzoyl)-2-(2-methylpropyl)- (9CI) (CA INDEX NAME)

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L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

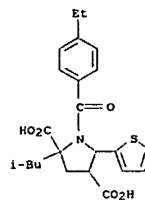


RN 373593-23-8 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 1-[(4-(1,1-dimethylethyl)benzoyl)-2-(2-methylpropyl)-5-(2-thienyl)]- (9CI) (CA INDEX NAME)

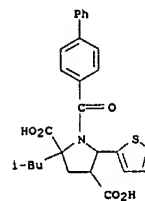


RN 373593-24-9 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 1-[(4-ethylbenzoyl)-2-(2-methylpropyl)-5-(2-thienyl)]- (9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

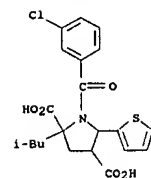


RN 373593-25-0 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 1-[(1,1'-biphenyl)-4-ylcarbonyl]-2-(2-methylpropyl)-5-(2-thienyl)- (9CI) (CA INDEX NAME)

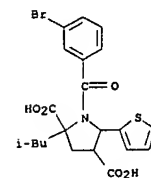


RN 373593-26-1 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 1-[(3-chlorobenzoyl)-2-(2-methylpropyl)-5-(2-thienyl)]- (9CI) (CA INDEX NAME)

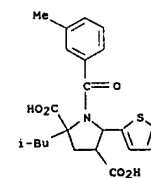
L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 373593-27-2 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 1-[(3-bromobenzoyl)-2-(2-methylpropyl)-5-(2-thienyl)]- (9CI) (CA INDEX NAME)



RN 373593-28-3 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 1-[(3-methylbenzoyl)-2-(2-methylpropyl)-5-(2-thienyl)]- (9CI) (CA INDEX NAME)

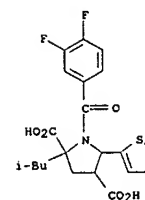


RN 373593-29-4 CAPLUS

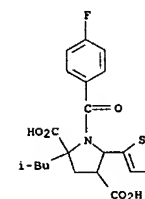
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L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CN 2,4-Pyrrolidinedicarboxylic acid, 1-[(3,4-difluorobenzoyl)-2-(2-methylpropyl)-5-(2-thienyl)]- (9CI) (CA INDEX NAME)



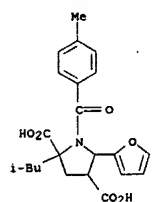
RN 373593-30-7 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 1-[(4-fluorobenzoyl)-2-(2-methylpropyl)-5-(2-thienyl)]- (9CI) (CA INDEX NAME)



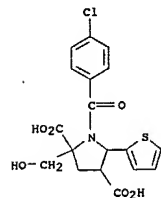
RN 373593-31-8 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 5-(2-furanyl)-1-(4-methylbenzoyl)-2-(2-methylpropyl)- (9CI) (CA INDEX NAME)

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L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



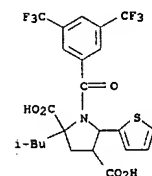
RN 373593-32-9 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid,
1-(4-chlorobenzoyl)-2-(hydroxymethyl)-5-
(2-thienyl)- (9CI) (CA INDEX NAME)



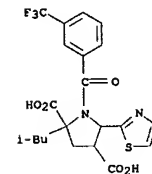
RN 373593-33-0 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 2-(hydroxymethyl)-5-(2-thienyl)-1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RN 373593-36-3 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid,
1-[3,5-bis(trifluoromethyl)benzoyl]-2-(2-methylpropyl)-5-(2-thienyl)- (9CI) (CA INDEX NAME)

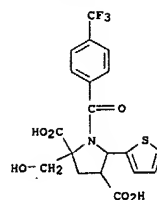


RN 373593-37-4 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid,
2-(2-methylpropyl)-5-(2-thiazolyl)-1-[3-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)

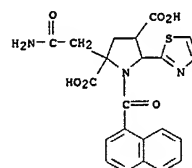


RN 373593-38-5 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 1-(3,4-dichlorobenzoyl)-2-(2-methylpropyl)-5-(2-thiazolyl)- (9CI) (CA INDEX NAME)

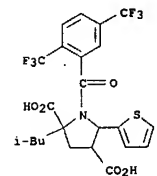
L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



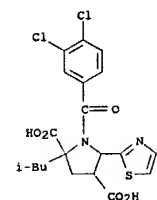
RN 373593-34-1 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 2-(2-amino-2-oxoethyl)-1-(1-naphthalenylcarbonyl)-5-(2-thiazolyl)- (9CI) (CA INDEX NAME)



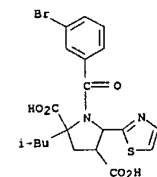
RN 373593-35-2 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid,
1-[2,5-bis(trifluoromethyl)benzoyl]-2-(2-methylpropyl)-5-(2-thienyl)- (9CI) (CA INDEX NAME)



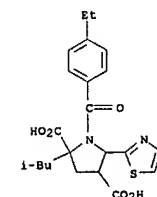
L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 373593-39-6 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid,
1-(3-bromobenzoyl)-2-(2-methylpropyl)-5-(2-thiazolyl)- (9CI) (CA INDEX NAME)



RN 373593-40-9 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid,
1-(4-ethylbenzoyl)-2-(2-methylpropyl)-5-(2-thiazolyl)- (9CI) (CA INDEX NAME)

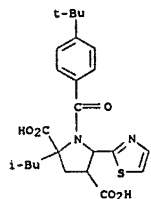


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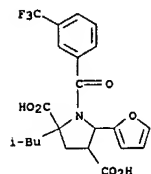
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L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RN 373593-41-0 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)- (9CI) (CA INDEX NAME)

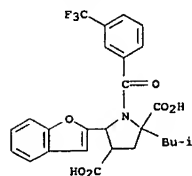


RN 373593-42-1 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 5-(2-furanyl)-2-(2-methylpropyl)-1-[3-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)

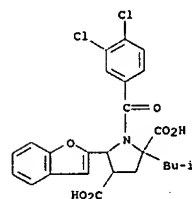


RN 373593-43-2 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 1-(3,4-dichlorobenzoyl)-5-(2-furanyl)-2-(2-methylpropyl)- (9CI) (CA INDEX NAME)

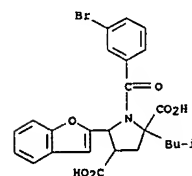
L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 373593-46-5 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 5-(2-benzofuranyl)-1-(3,4-dichlorobenzoyl)-2-(2-methylpropyl)- (9CI) (CA INDEX NAME)



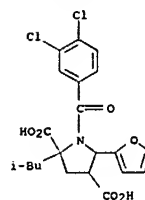
RN 373593-47-6 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 5-(2-benzofuranyl)-1-(3-bromobenzoyl)-2-(2-methylpropyl)- (9CI) (CA INDEX NAME)



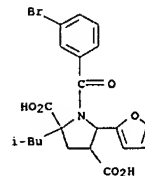
RN 373593-48-7 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 5-(2-benzofuranyl)-1-[4-(1,1-

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L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

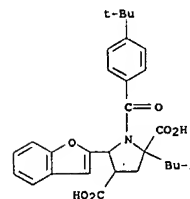


RN 373593-44-3 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 1-(3-bromobenzoyl)-5-(2-furanyl)-2-(2-methylpropyl)- (9CI) (CA INDEX NAME)

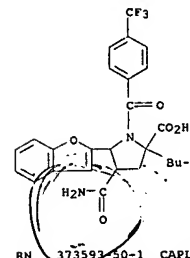


RN 373593-45-4 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 5-(2-benzofuranyl)-2-(2-methylpropyl)-1-[3-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
dimethylethyl)benzoyl]-2-(2-methylpropyl)- (9CI) (CA INDEX NAME)



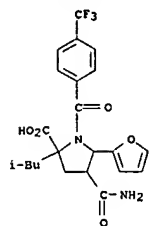
RN 373593-49-8 CAPLUS
CN Proline, 4-(aminocarbonyl)-5-(2-benzofuranyl)-2-(2-methylpropyl)-1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



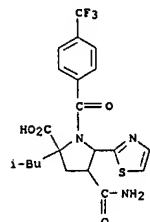
RN 373593-50-1 CAPLUS
CN Proline, 4-(aminocarbonyl)-5-(2-furanyl)-2-(2-methylpropyl)-1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)

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L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

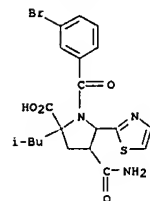


RN 373593-51-2 CAPLUS
CN Proline, 4-(aminocarbonyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)

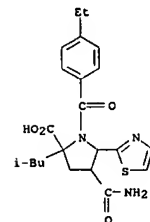


RN 373593-52-3 CAPLUS
CN Proline, 4-(aminocarbonyl)-2-(2-methylpropyl)-5-(2-thiazolyl)-1-[3-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

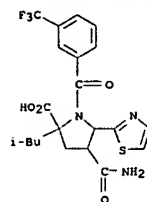


RN 373593-55-6 CAPLUS
CN Proline, 4-(aminocarbonyl)-1-[4-ethylbenzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)- (9CI) (CA INDEX NAME)

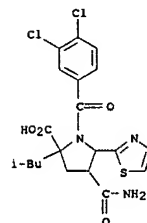


RN 373593-56-7 CAPLUS
CN Proline, 4-(aminocarbonyl)-1-[4-(1,1-dimethylethyl)benzoyl]-2-(2-methylpropyl)-5-(2-thiazolyl)- (9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

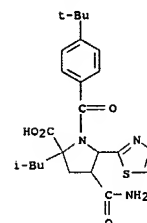


RN 373593-53-4 CAPLUS
CN Proline, 4-(aminocarbonyl)-1-(3,4-dichlorobenzoyl)-2-(2-methylpropyl)-5-(2-thiazolyl)- (9CI) (CA INDEX NAME)

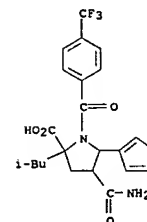


RN 373593-54-5 CAPLUS
CN Proline, 4-(aminocarbonyl)-1-(3-bromobenzoyl)-2-(2-methylpropyl)-5-(2-thiazolyl)- (9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



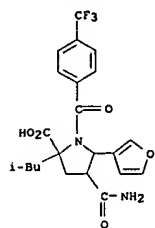
RN 373593-57-8 CAPLUS
CN Proline, 4-(aminocarbonyl)-2-(2-methylpropyl)-5-(3-thienyl)-1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



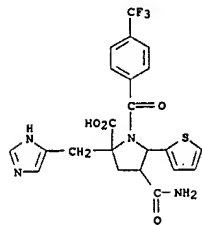
RN 373593-58-9 CAPLUS
CN Proline, 4-(aminocarbonyl)-5-(3-furanyl)-2-(2-methylpropyl)-1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)

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L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

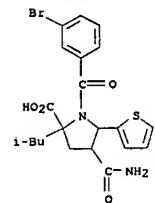


RN 373593-59-0 CAPLUS
CN Proline, 4-(aminocarbonyl)-2-(1H-imidazol-4-ylmethyl)-5-(2-thienyl)-1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)

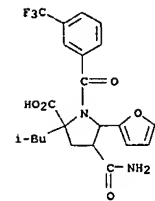


RN 373593-60-3 CAPLUS
CN Proline, 4-(aminocarbonyl)-2-(2-methylpropyl)-5-(2-thienyl)-1-[3-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)

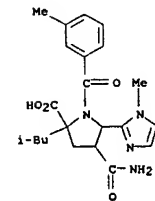
L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 373593-63-6 CAPLUS
CN Proline, 4-(aminocarbonyl)-5-(2-furanyl)-2-(2-methylpropyl)-1-[3-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)

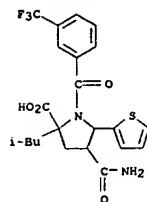


RN 373593-64-7 CAPLUS
CN Proline, 4-(aminocarbonyl)-1-(3-methylbenzoyl)-5-(1-methyl-1H-imidazol-2-yl)-2-(2-methylpropyl)- (9CI) (CA INDEX NAME)

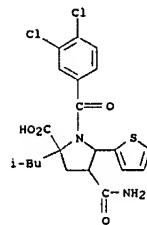


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L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



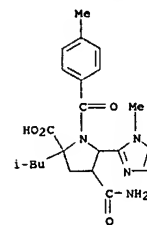
RN 373593-61-4 CAPLUS
CN Proline, 4-(aminocarbonyl)-1-(3,4-dichlorobenzoyl)-2-(2-methylpropyl)-5-(2-thienyl)- (9CI) (CA INDEX NAME)



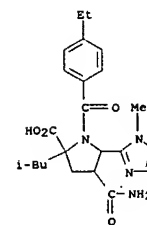
RN 373593-62-5 CAPLUS
CN Proline, 4-(aminocarbonyl)-1-(3-bromobenzoyl)-2-(2-methylpropyl)-5-(2-thienyl)- (9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RN 373593-65-8 CAPLUS
CN Proline, 4-(aminocarbonyl)-1-(4-methylbenzoyl)-5-(1-methyl-1H-imidazol-2-yl)-2-(2-methylpropyl)- (9CI) (CA INDEX NAME)



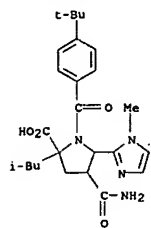
RN 373593-66-9 CAPLUS
CN Proline, 4-(aminocarbonyl)-1-(4-ethylbenzoyl)-5-(1-methyl-1H-imidazol-2-yl)-2-(2-methylpropyl)- (9CI) (CA INDEX NAME)



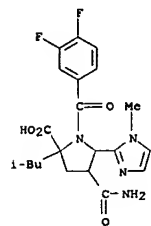
RN 373593-67-0 CAPLUS
CN Proline, 4-(aminocarbonyl)-1-[4-(1,1-dimethylethyl)benzoyl]-5-(1-methyl-1H-imidazol-2-yl)-2-(2-methylpropyl)- (9CI) (CA INDEX NAME)

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L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

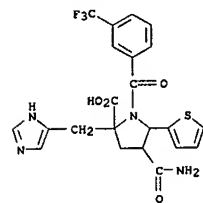


RN 373593-68-1 CAPLUS
CN Proline,
4-(aminocarbonyl)-1-(3,4-difluorobenzoyl)-5-(1-methyl-1H-imidazol-2-yl)-2-(2-methylpropyl)- (9CI) (CA INDEX NAME)

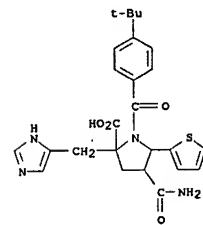


RN 373593-69-2 CAPLUS
CN Proline,
4-(aminocarbonyl)-1-[2,5-bis(trifluoromethyl)benzoyl]-5-(1-methyl-1H-imidazol-2-yl)-2-(2-methylpropyl)- (9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

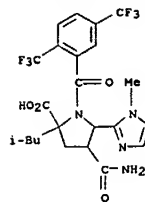


RN 373593-72-7 CAPLUS
CN Proline,
4-(aminocarbonyl)-1-[4-(1,1-dimethylethyl)benzoyl]-2-(1H-imidazol-4-ylmethyl)-5-(2-thienyl)- (9CI) (CA INDEX NAME)

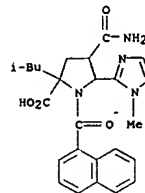


RN 373593-73-8 CAPLUS
CN Proline,
4-(aminocarbonyl)-1-[4-(trifluoromethyl)benzoyl]-2-(1H-imidazol-4-ylmethyl)-5-(2-thiazolyl)-1-[3-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

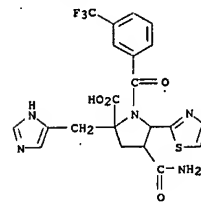


RN 373593-70-5 CAPLUS
CN Proline, 4-(aminocarbonyl)-5-(1-methyl-1H-imidazol-2-yl)-2-(2-methylpropyl)-1-(1-naphthalenylcarbonyl)- (9CI) (CA INDEX NAME)

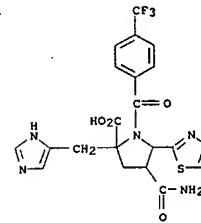


RN 373593-71-6 CAPLUS
CN Proline, 4-(aminocarbonyl)-2-(1H-imidazol-4-ylmethyl)-5-(2-thienyl)-1-[3-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



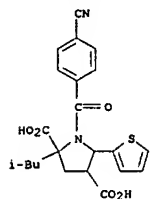
RN 373593-74-9 CAPLUS
CN Proline,
4-(aminocarbonyl)-2-(1H-imidazol-4-ylmethyl)-5-(2-thiazolyl)-1-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



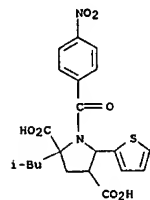
RN 373593-75-0 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid,
1-(4-cyanobenzoyl)-2-(2-methylpropyl)-5-(2-thienyl)- (9CI) (CA INDEX NAME)

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L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

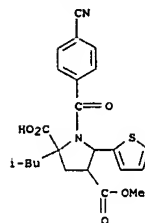


RN 373593-76-1 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid,
2-(2-methylpropyl)-1-(4-nitrobenzoyl)-5-
(2-thienyl)- (9CI) (CA INDEX NAME)

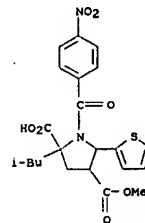


RN 373593-79-4 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid,
1-(4-cyanobenzoyl)-2-(2-methylpropyl)-5-
(2-thienyl)-, 4-methyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

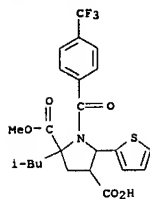


RN 373593-80-7 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid,
2-(2-methylpropyl)-1-(4-nitrobenzoyl)-5-
(2-thienyl)-, 4-methyl ester (9CI) (CA INDEX NAME)

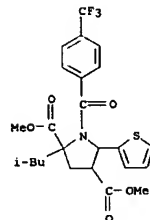


RN 373593-82-9 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 2-(2-methylpropyl)-5-(2-thienyl)-1-(4-
(trifluoromethyl)benzoyl)-, 2-methyl ester (9CI) (CA INDEX NAME)

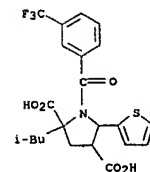
L4 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 373593-84-1 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 2-(2-methylpropyl)-5-(2-thienyl)-1-(4-
(trifluoromethyl)benzoyl)-, dimethyl ester (9CI) (CA INDEX NAME)



RN 373593-85-2 CAPLUS
CN 2,4-Pyrrolidinedicarboxylic acid, 2-(2-methylpropyl)-5-(2-thienyl)-1-(3-
(trifluoromethyl)benzoyl)- (9CI) (CA INDEX NAME)



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